N00213.AR.000164
NAS KEY WEST
5090.3a

DRAFT SUPPLEMENTAL RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT FOR HIGH PRIORITY SITES APPENDIX L VOLUME 1 OF 3 NAS KEY WEST FL

9/1/1996

BROWN AND ROOT ENVIRONMENTAL

Draft
Supplemental RCRA Facility Investigation and Remedial Investigation Report

Appendix L, Volume 1

for

Naval Air Station Key West High-Priority Sites

Boca Chica Key, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0007

September 1996

Brown & Root Environmental

APPENDICES L - VOLUME 1 OF 3

AIK-OES-96-5912

DRAFT
SUPPLEMENTAL RCRA FACILITY INVESTIGATION
AND
REMEDIAL INVESTIGATION REPORT

NAVAL AIR STATION KEY WEST
HIGH-PRIORITY SITES
BOCA CHICA KEY, 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 Andersen Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220

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

SEPTEMBER 1996

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SUMMARY OF NAS KEY WEST SAMPLE ANALYSES FOR SAMPLES COLLECTED BETWEEN 1/9/96 AND 2/2/96

SAMPLE ID	TYPE	DATE	APP. IX VOC	APP. IX SVOC	PEST./PCBs	HERB.	TAL METALS	CYANIDE	TOXICITY	COMMENTS
TB01-011396	WATER	1/13/96	X							
S1SS-4	SOIL	1/13/96	X	X	X	X	X	X	5 (1/31/96)	
S1SS-6	SOIL	1/13/96	X	X	X	X	X	X		
S1SS-5	SOIL	1/13/96	X	X	X	X	X	X	5 (1/31/96)	
S1SS-7	SOIL	1/13/96	X	X	X	X	X	X	5 (1/31/96)	
S1DPSS-1	SOIL	1/13/96	X	X	X	X	X	X		S1SS-5
TB01-011596	WATER	1/15/96	X							
RB01-011596	WATER	1/15/96	X	X	X	X	X	X		
S9SS-1	SOIL	1/15/96	X	X	X	X	X	X		
S9SS-2	SOIL	1/15/96	X	X	X	X	X	X		
S9SS-3	SOIL	1/15/96	X	X	X	X	X	X		
S9SS-4	SOIL	1/15/96	X	X	X	X	X	X		
S9SS-5	SOIL	1/15/96	X	X	X	X	X	X		
S9DPSS-1	SOIL	1/15/96	X	X	X	X	X	X		S9SS-3
TBO1-011696	WATER	1/16/96	X							
FB01-011696	WATER	1/16/96	X	X	X	X	X	X		
FB02-011696	WATER	1/16/96	X	X	X	X	X	X		
TB01-011796	WATER	1/17/96	X							
RB01-011796	WATER	1/17/96	X	X	X	X	X	X		
S9SB-1	SOIL	1/17/96	X	X	X	X	X	X		
S9SB-2	SOIL	1/17/96	X	X	X	X	X	X		
S9SB-3	SOIL	1/17/96	X	X	X	X	X	X		
S9SB-4	SOIL	1/17/96	X	X	X	X	X	X		
S9SB-5	SOIL	1/17/96	X	X	X	X	X	X		
S9DPSB-01	SOIL	1/17/96	X	X	X	X	X	X		S9SB-1
TB01-011896	WATER	1/18/96	X							
S9MW-3	WATER	1/18/96	X	X	X	X	X	X		
S9MW-9	WATER	1/18/96	X	X	X	X	X	X		
S9MW-6	WATER	1/18/96	X	X	X	X	X	X		
S9MW-17	WATER	1/18/96	X	X	X	X	X	X		
S9DPGW-01	WATER	1/18/96	X	X	X	X	X	X		S9MW-17
TB01-011996	WATER	1/19/96	X							
S9MW-24	WATER	1/19/96	X	X	X	X	X	X		

1 Mysid shrimp
2 Siverside, oyster, and sea urchin
3 Amphipod
4 Silverside
5 Earthworm

Modified 3/7/96

08/22/96

SUMMARY OF NAS KEY WEST SAMPLE ANALYSES FOR SAMPLES COLLECTED BETWEEN 1/9/96 AND 2/2/96

SAMPLE ID	TYPE	DATE	APP. IX VOC	APP. IX SVOC	PEST./PCBs	HERB.	TAL METALS	CYANIDE	TOXICITY	COMMENTS
S9MW-19D	WATER	1/19/96	X	X	X	X	X	X		
TB02-011896	WATER	1/18/96	X							
S9MW-21	WATER	1/18/96	X	X	X	X	X	X		
S9MW-15	WATER	1/18/96	X	X	X	X	X	X		
TB01-012296	WATER	1/22/96	X							
S1SD-01	SOIL	1/22/96	X	X	X	X	X	X	1	
S1SD-02	SOIL	1/22/96	X	X	X	X	X	X	1	
RB01-012296	WATER	1/22/96	X	X	X	X	X	X		
TB01-012396	WATER	1/23/96	X							
S9SW-01	WATER	1/23/96	X	X	X	X	X	X	2	
S9SW-02	WATER	1/23/96	X	X	X	X	X	X	2	
S9SW-03	WATER	1/23/96	X	X	X	X	X	X	2	
S9SW-04	WATER	1/23/96	X	X	X	X	X	X	2	
S9SW-05	WATER	1/23/96	X	X	X	X	X	X	2	
S9DPSW-01	WATER	1/23/96	X	X	X	X	X	X		S9SW-03
S9SD-01	SOIL	1/23/96	X	X	X	X	X	X	1	
S9SD-02	SOIL	1/23/96	X	X	X	X	X	X	1	
S9SD-03	SOIL	1/23/96	X	X	X	X	X	X	1	
S9SD-04	SOIL	1/23/96	X	X	X	X	X	X	1	
S9SD-05	SOIL	1/23/96	X	X	X	X	X	X	1	
TB01-012496	WATER	1/24/96	X							
S1SD-03	SOIL	1/24/96	X	X	X	X	X	X	1	
TB02-012496	WATER	1/24/96	X							
RB01-012496	WATER	1/24/96	X	X	X	X	X	X		
S3SW-01	WATER	1/25/96					X	X	4	
S3SW-02	WATER	1/25/96					X	X	4	
S3SW-03	WATER	1/25/96					X	X	4	
S3SW-04	WATER	1/25/96					X	X	4	
S3SW-05	WATER	1/25/96					X	X	4	
S3DPSW-O1	WATER	1/25/96					X	X		S3SW-01
S3SD-01	SOIL	1/25/96					X	X	3	
S3SD-02	SOIL	1/25/96					X	X	3	
S3SD-03	SOIL	1/25/96					X	X	3	

1 Mysid shrimp
2 Siverside, oyster, and sea urchin
3 Amphipod
4 Silverside
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Modified 3/7/96

08/22/96

SUMMARY OF NAS KEY WEST SAMPLE ANALYSES FOR SAMPLES COLLECTED BETWEEN 1/9/96 AND 2/2/96

SAMPLE ID	TYPE	DATE	APP. IX VOC	APP. IX SVOC	PEST./PCBs	HERB.	TAL METALS	CYANIDE	TOXICITY	COMMENTS
S3SD-04	SOIL	1/25/96					X	X	3	
S3SD-O5	SOIL	1/25/96					X	X	3	
S3DPSD-01	SOIL	1/25/96					X	X		S3SD-02
TB01-012696	WATER	1/26/96	X							
BG1SW-01	WATER	1/26/96	X	X	X	X	X	X	4	
BG1SD-01	SOIL	1/26/96	X	X	X	X	X	X	3	
BG1SS-01	SOIL	1/26/96	X	X	X	X	X	X	5	
BG2SW-01	WATER	1/26/96	X	X	X	X	X	X	2	
BG2SD-01	SOIL	1/26/96	X	X	X	X	X	X	1	
BG2SS-01	SOIL	1/26/96	X	X	X	X	X	X	5	
BG3SW-01	WATER	1/26/96	X	X	X	X	X	X	2	
BG3SD-01	SOIL	1/26/96	X	X	X	X	X	X	1	
BG3SS-01	SOIL	1/26/96	X	X	X	X	X	X	5	
S2MW-6	WATER	1/28/96			X	X	X	X		
S2MW-7	WATER	1/28/96			X	X	X	X		
S2MW-5	WATER	1/28/96			X	X	X	X		
S2MW-4	WATER	1/28/96			X	X	X	X		
S2MW-1	WATER	1/28/96			X	X	X	X		
MW5-1	WATER	1/28/96			X	X	X	X		
S2DPGW-01	WATER	1/28/96			X	X	X	X		S2MW-1
TBO1-013096	WATER	1/30/96	X							
S1MW-4	WATER	1/30/96	X	X	X	X	X	X		
S1MW-5	WATER	1/30/96	X	X	X	X	X	X		
S1MW-6	WATER	1/30/96	X	X	X	X	X	X		
S1MW-3	WATER	1/30/96	X	X	X	X	X	X		
S1DPGW-01	WATER	1/30/96	X	X	X	X	X	X		S1MW-3
BG2SS-02	SOIL	1/31/96	X	X	X	X	X	X		
BG2SS-03	SOIL	1/31/96	X	X	X	X	X	X		
FB03-013196	WATER	1/31/96	X	X	X	X	X	X		
TB01-013196	WATER	1/31/96	X							
S3MW-6	WATER	1/31/96	X	X						
S3MW-2	WATER	2/1/96	X	X						
S3MW-1	WATER	2/1/96	X	X						

1 Mysid shrimp
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4 Silverside
5 Earthworm

Modified 3/7/96

08/22/96

SUMMARY OF NAS KEY WEST SAMPLE ANALYSES FOR SAMPLES COLLECTED BETWEEN 1/9/96 AND 2/2/96

SAMPLE ID	TYPE	DATE	APP. IX VOC	APP. IX SVOC	PEST./PCBs	HERB.	TAL METALS	CYANIDE	TOXICITY	COMMENTS
S3MW-8	WATER	2/1/96	X	X						
S3MW-9	WATER	2/1/96	X	X						
S3MW-7	WATER	2/1/96	X	X						
S3DPGW-01	WATER	2/1/96	X	X						S3MW-7
TB01-020296	WATER	2/2/96	X							
BG1SS-02	SOIL	2/2/96	X	X	X	X	X	X		
BG1SS-03	SOIL	2/2/96	X	X	X	X	X	X		
BG3SS-02	SOIL	2/2/96	X	X	X	X	X	X		
BG3SS-03	SOIL	2/2/96	X	X	X	X	X	X		
RB01-020296	WATER	2/2/96	X	X	X	X	X	X		
S1SW-01	WATER	1/22/96							2	
S1SW-02	WATER	1/22/96							2	
S1SW-03	WATER	1/24/96							2	
S1SW-04	WATER	1/24/96							2	
S1SW-05	WATER	1/24/96							2	
S1SD-04	SOIL	1/24/96							1	
S1SD-05	SOIL	1/24/96							1	
S2SD-01	SOIL	1/24/96							3	
S2SD-05	SOIL	1/24/96							3	
S2SW-01	WATER	1/24/96							4	
S2SW-05	WATER	1/24/96							4	
S2SD-03	SOIL	1/25/96							3	
S2SD-04	SOIL	1/25/96							3	
S2SD-02	SOIL	1/25/96							3	
S2SW-03	WATER	1/25/96							4	
S2SW-04	WATER	1/25/96							4	
S2SW-02	WATER	1/25/96							4	

1 Mysid shrimp
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Modified 3/7/96

08/22/96

CASE NARRATIVE
SDG 61335S

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

February 19, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The soil samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between January 15, 1996, and January 19, 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
S1SS-6	9601335-01
S1SS-5	9601335-02
S1SS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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, Chain of Custody, Nonconformance Reports, 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

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:hali00196.021996

METALS DATA

SDG 61335S
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

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

Sample Description	Laboratory Identification
S1SS-6	9601335-01
S1SS-5	9601335-02
S1SS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S1SS-4 Matrix Spike (MS)	QC335551 - ICP
	QC335960 - Hg
	QC335392 - Cn
S1SS-4 Duplicate (Dup)	QC335553 - ICP
	QC335959 - Hg
	QC335391 - Cn
S1SS-4 Post Spike (PS)	QC339932 - ICP
	QC337155 - CN
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12
S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17
Blank	QC335550 - ICP/QC335958 - Hg
	QC335393 - Cn
Laboratory Control Sample (LCS)	QC335558 - ICP/QC337480 - Hg
	QC335397 - Cn
Laboratory Control Sample Duplicate (LCSD)	QC335886 - ICP/QC335398- Cn

Instrument Calibration

The 02/01/96 ICP analysis for Selenium did not meet the criteria for initial calibration blank analysis. Samples S1SS-5 and S1DPSS-1 were reading at the instrument CRDL for selenium and were reanalyzed on 02/07/96. 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, Arsenic, Calcium, Copper, Iron, Sodium, and Zinc were detected in the method blank at levels greater than the instrument detection limits (IDL), but below the reporting limit (RL). No target analytes were detected in the method blank for the Mercury analysis at levels greater than the IDL. Cyanide was detected in the method blank at levels greater than the instrument detection limit (IDL), but below the reporting limit (RL).

Spike and Duplication Analysis

QC Sample S1SS-4:
The MS for the ICP analysis of Selenium and Thallium did not meet the quality control criteria, as indicated by the "N" flag. A PS for this sample was analyzed on 02/06/96 and met the criteria for recovery. The sample dup did not meet the criteria for relative percent difference (RPD) for Magnesium, as indicated by the "*" flag. Mercury met the quality control criteria for the MS and Dup. The MS for Cyanide did not meet the quality control criteria, as indicated by the "N" flag. The Cyanide PS met the recovery criteria.

Laboratory Control Sample Analysis

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

Dilutions

Calcium was over the instrument linear range and required 1:100 fold dilution for all samples. Sample S1SS-7 was over the calibration range for Mercury and was reanalyzed at a 1:2 dilution. The Cyanide analysis did not require dilutions.

Additional Comments

ICP

An "E" flag from the Serial dilution analysis resulted for Aluminum, Selenium and Vanadium, due to Calcium interference. Three ICP analyses were required for SDG 61335S. The 02/01/96 analysis includes all undiluted samples, all batch QC, and all Calcium dilutions. The 02/06/96 analysis includes the PS for sample S1SS-4. The 02/07/96 analysis includes reruns for Selenium for samples S1SS-5 and S1DPSS-1.

CN

The analysis for Cyanide required two calibrations. The ICB and the CCB results for the first analysis were erratic, and therefore, only the MS results were used. The instrument was recalibrated and all the samples reanalyzed. A PS was added to the second analysis due to poor matrix spike recovery. There were thirteen analyses between the first ICB and the next CCV. Three blanks were analyzed before the first CCV to check for interference. Due to poor MS recovery and inconsistent results, a matrix interference is suspected for these samples.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1DPSS-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-04

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4070		E	P
7440-36-0	Antimony	4.2			P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	35.7	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	2.4			P
7440-70-2	Calcium	293000			P
7440-47-3	Chromium	14.4			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	86.3			P
7439-89-6	Iron	13000			P
7439-92-1	Lead	172			P
7439-95-4	Magnesium	6210		*	P
7439-96-5	Manganese	106			P
7439-97-6	Mercury	0.09	B		AV
7440-02-0	Nickel	10.6			P
7440-09-7	Potassium	232	B		P
7782-49-2	Selenium	1.0	U	N	P
7440-22-4	Silver	2.9			P
7440-23-5	Sodium	786	B	E	P
7440-28-0	Thallium	0.97	U	N	P
7440-62-2	Vanadium	9.6	B	E	P
7440-66-6	Zinc	954			P
74-90-8	Cyanide	0.28	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: GREEN____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SS-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-05

Level (low/med): LOW__ Date Received: 01/15/96

% 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	3910		E	P
7440-36-0	Antimony	0.64	U		P
7440-38-2	Arsenic	3.8			P
7440-39-3	Barium	17.0	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	348000			P
7440-47-3	Chromium	10.6			P
7440-48-4	Cobalt	0.37	B		P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	2050			P
7439-92-1	Lead	17.2			P
7439-95-4	Magnesium	11000		*	P
7439-96-5	Manganese	25.8			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	4.1	B		P
7440-09-7	Potassium	432	B		P
7782-49-2	Selenium	1.2	U	N	P
7440-22-4	Silver	0.17	U		P
7440-23-5	Sodium	1270		E	P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	8.8	B	E	P
7440-66-6	Zinc	20.7			P
74-90-8	Cyanide	0.28	B	N	AS

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: YES

Comments:
ROCKS

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SS-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-02

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7560		E	P
7440-36-0	Antimony	5.4			P
7440-38-2	Arsenic	9.4			P
7440-39-3	Barium	44.9	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	3.2			P
7440-70-2	Calcium	317000			P
7440-47-3	Chromium	23.2			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	137			P
7439-89-6	Iron	17400			P
7439-92-1	Lead	219			P
7439-95-4	Magnesium	7590		*	P
7439-96-5	Manganese	142			P
7439-97-6	Mercury	0.23			AV
7440-02-0	Nickel	11.9			P
7440-09-7	Potassium	397	B		P
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	3.4			P
7440-23-5	Sodium	991	B	E	P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	12.6		E	P
7440-66-6	Zinc	785			P
74-90-8	Cyanide	0.41	B	N	AS

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: GREEN Clarity After: _____ Artifacts: YES

Comments:
ROCKS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SS-6

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-01

Level (low/med): LOW__ Date Received: 01/15/96

% 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	4160		E	P
7440-36-0	Antimony	1.4	B		P
7440-38-2	Arsenic	3.1			P
7440-39-3	Barium	21.7	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	330000			P
7440-47-3	Chromium	10.0			P
7440-48-4	Cobalt	0.53	B		P
7440-50-8	Copper	38.0			P
7439-89-6	Iron	2180			P
7439-92-1	Lead	84.6			P
7439-95-4	Magnesium	12200		*	P
7439-96-5	Manganese	35.1			P
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	501	B		P
7782-49-2	Selenium	1.2	U	N	P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	2110		E	P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	6.8	B	E	P
7440-66-6	Zinc	120			P
74-90-8	Cyanide	0.23	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SS-7

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-03

Level (low/med): LOW__ Date Received: 01/15/96

% 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	7810		E	P
7440-36-0	Antimony	21.7			P
7440-38-2	Arsenic	8.1			P
7440-39-3	Barium	99.6			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	11.2			P
7440-70-2	Calcium	321000			P
7440-47-3	Chromium	184			P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	407			P
7439-89-6	Iron	28500			P
7439-92-1	Lead	381			P
7439-95-4	Magnesium	12100		*	P
7439-96-5	Manganese	467			P
7439-97-6	Mercury	6.2			AV
7440-02-0	Nickel	50.2			P
7440-09-7	Potassium	614	B		P
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	7.6			P
7440-23-5	Sodium	5770		E	P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	7.4	B	E	P
7440-66-6	Zinc	783			P
74-90-8	Cyanide	0.23	B	N	AS

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: YELLOW Clarity After: _____ Artifacts: YES

Comments:
ROCKS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-17

Level (low/med): LOW__ Date Received: 01/15/96

% 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	255		E	P
7440-36-0	Antimony	0.60	B		P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	8.9	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	390000			P
7440-47-3	Chromium	4.7			P
7440-48-4	Cobalt	0.18	U		P
7440-50-8	Copper	2.6	B		P
7439-89-6	Iron	457			P
7439-92-1	Lead	2.2			P
7439-95-4	Magnesium	1870		*	P
7439-96-5	Manganese	5.2			P
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	34.4	B		P
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	0.16	U		P
7440-23-5	Sodium	1260		E	P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	4.3	B	E	P
7440-66-6	Zinc	1.8	B		P
74-90-8	Cyanide	0.21	B	N	AS

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9DPSS-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-11

Level (low/med): LOW__ Date Received: 01/15/96

% 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	1080		E	P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	2.5	B		P
7440-39-3	Barium	42.3	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	6.4			P
7440-70-2	Calcium	331000			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	17.3			P
7439-89-6	Iron	1470			P
7439-92-1	Lead	95.9			P
7439-95-4	Magnesium	2120		*	P
7439-96-5	Manganese	23.7			P
7439-97-6	Mercury	0.36			AV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	106	B		P
7782-49-2	Selenium	1.2	U	N	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	781	B	E	P
7440-28-0	Thallium	1.2	U	N	P
7440-62-2	Vanadium	3.9	B	E	P
7440-66-6	Zinc	278			P
74-90-8	Cyanide	2.3		N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: GREEN____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SB-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-12

Level (low/med): LOW__ Date Received: 01/15/96

% 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_	289		E	P
7440-36-0	Antimony_	0.60	U		P
7440-38-2	Arsenic__	1.7	B		P
7440-39-3	Barium__	8.0	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium__	0.09	U		P
7440-70-2	Calcium__	383000			P
7440-47-3	Chromium_	2.3	B		P
7440-48-4	Cobalt___	0.18	U		P
7440-50-8	Copper___	2.8	B		P
7439-89-6	Iron____	133			P
7439-92-1	Lead____	2.3			P
7439-95-4	Magnesium	1250		*	P
7439-96-5	Manganese	2.9	B		P
7439-97-6	Mercury__	0.06	U		AV
7440-02-0	Nickel___	0.59	B		P
7440-09-7	Potassium	37.7	B		P
7782-49-2	Selenium_	1.1	U	N	P
7440-22-4	Silver___	0.16	U		P
7440-23-5	Sodium___	1390		E	P
7440-28-0	Thallium_	1.0	U	N	P
7440-62-2	Vanadium_	1.5	B	E	P
7440-66-6	Zinc____	1.1	B		P
74-90-8__	Cyanide__	0.13	B	N	AS

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SB-2

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-13

Level (low/med): LOW__ Date Received: 01/15/96

% 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	30.7	B	E	P
7440-36-0	Antimony	0.64	U		P
7440-38-2	Arsenic	2.3	B		P
7440-39-3	Barium	9.1	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	389000			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	0.20	U		P
7440-50-8	Copper	2.3	B		P
7439-89-6	Iron	47.6			P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	672	B	*	P
7439-96-5	Manganese	3.2	B		P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	0.76	B		P
7440-09-7	Potassium	25.2	B		P
7782-49-2	Selenium	1.2	U	N	P
7440-22-4	Silver	0.22	B		P
7440-23-5	Sodium	1530		E	P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	0.71	B	E	P
7440-66-6	Zinc	0.90	B		P
74-90-8	Cyanide	1.5		N	AS

Color Before: CREAM Clarity Before: _____ Texture: COARSE

Color After: CLEAR Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SB-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-14

Level (low/med): LOW__ Date Received: 01/15/96

% 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	27.4	B	E	P
7440-36-0	Antimony	0.60	U		P
7440-38-2	Arsenic	1.2	B		P
7440-39-3	Barium	7.0	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	398000			P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	0.18	U		P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	31.9			P
7439-92-1	Lead	1.3			P
7439-95-4	Magnesium	829	B	*	P
7439-96-5	Manganese	0.63	B		P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	0.53	B		P
7440-09-7	Potassium	32.0	B		P
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	0.76	B		P
7440-23-5	Sodium	1290		E	P
7440-28-0	Thallium	1.0	U	N	P
7440-62-2	Vanadium	0.43	B	E	P
7440-66-6	Zinc	0.47	B		P
74-90-8	Cyanide	4.4		N	AS

Color Before: CREAM____ Clarity Before: _____ Texture: MEDIUM

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SB-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-15

Level (low/med): LOW__ Date Received: 01/15/96

% 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	179		E	P
7440-36-0	Antimony	0.62	U		P
7440-38-2	Arsenic	1.2	B		P
7440-39-3	Barium	6.1	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	407000			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	0.19	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	98.1			P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	1180	B	*	P
7439-96-5	Manganese	3.4	B		P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	29.3	B		P
7782-49-2	Selenium	1.2	U	N	P
7440-22-4	Silver	0.31	B		P
7440-23-5	Sodium	955	B	E	P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	1.4	B	E	P
7440-66-6	Zinc	0.63	B		P
74-90-8	Cyanide	0.22	B	N	AS

Color Before: CREAM____ Clarity Before: _____ Texture: COARSE

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SB-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-16

Level (low/med): LOW__ Date Received: 01/15/96

% 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_	45.6	B	E	P_
7440-36-0	Antimony_	0.61	U		P_
7440-38-2	Arsenic__	1.2	B		P_
7440-39-3	Barium___	6.1	B		P_
7440-41-7	Beryllium	0.07	U		P_
7440-43-9	Cadmium__	0.09	U		P_
7440-70-2	Calcium__	398000	_		P_
7440-47-3	Chromium_	4.9			P_
7440-48-4	Cobalt___	0.19	U		P_
7440-50-8	Copper___	2.4	B		P_
7439-89-6	Iron____	44.5	_		P_
7439-92-1	Lead____	1.7			P_
7439-95-4	Magnesium	948	B	*	P_
7439-96-5	Manganese	1.0	B		P_
7439-97-6	Mercury__	0.05	U		AV
7440-02-0	Nickel___	2.1	B		P_
7440-09-7	Potassium	32.2	B		P_
7782-49-2	Selenium_	1.1	U	N	P_
7440-22-4	Silver___	0.16	U		P_
7440-23-5	Sodium___	1260	_	E	P_
7440-28-0	Thallium_	1.0	U	N	P_
7440-62-2	Vanadium_	0.52	B	E	P_
7440-66-6	Zinc____	0.72	B		P_
74-90-8__	Cyanide__	0.21	B	N	AS

Color Before: CREAM____ Clarity Before: _____ Texture: MEDIUM

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SS-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-06

Level (low/med): LOW__ Date Received: 01/15/96

% 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	4190		E	P
7440-36-0	Antimony	0.69	U		P
7440-38-2	Arsenic	5.3			P
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	325000			P
7440-47-3	Chromium	13.1			P
7440-48-4	Cobalt	0.98	B		P
7440-50-8	Copper	49.6			P
7439-89-6	Iron	2650			P
7439-92-1	Lead	71.4			P
7439-95-4	Magnesium	6470		*	P
7439-96-5	Manganese	37.9			P
7439-97-6	Mercury	0.06	B		AV
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	260	B		P
7782-49-2	Selenium	1.3	U	N	P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	1310	B	E	P
7440-28-0	Thallium	1.2	U	N	P
7440-62-2	Vanadium	10.5	B	E	P
7440-66-6	Zinc	72.2			P
74-90-8	Cyanide	0.10	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: GREEN____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SS-2

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-07

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _59.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	1600		E	P
7440-36-0	Antimony_	0.83	U		P
7440-38-2	Arsenic__	5.1			P
7440-39-3	Barium___	14.5	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium__	0.30	B		P
7440-70-2	Calcium__	465000			P
7440-47-3	Chromium_	7.2			P
7440-48-4	Cobalt___	0.33	B		P
7440-50-8	Copper___	6.9	B		P
7439-89-6	Iron____	1170			P
7439-92-1	Lead____	7.4			P
7439-95-4	Magnesium	2870		*	P
7439-96-5	Manganese	12.4			P
7439-97-6	Mercury__	0.08	U		AV
7440-02-0	Nickel___	3.6	B		P
7440-09-7	Potassium	207	B		P
7782-49-2	Selenium_	1.5	U	N	P
7440-22-4	Silver___	0.22	U		P
7440-23-5	Sodium___	1840		E	P
7440-28-0	Thallium_	1.4	U	N	P
7440-62-2	Vanadium_	8.5	B	E	P
7440-66-6	Zinc____	22.6			P
74-90-8__	Cyanide__	0.38	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: CLEAR____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SS-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-08

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _62.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1260		E	P
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	3.7			P
7440-39-3	Barium	51.3	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	7.9			P
7440-70-2	Calcium	408000			P
7440-47-3	Chromium	124			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	19.8			P
7439-89-6	Iron	2780			P
7439-92-1	Lead	434			P
7439-95-4	Magnesium	2500		*	P
7439-96-5	Manganese	29.4			P
7439-97-6	Mercury	0.28			AV
7440-02-0	Nickel	4.7	B		P
7440-09-7	Potassium	128	B		P
7782-49-2	Selenium	1.5	U	N	P
7440-22-4	Silver	0.72	B		P
7440-23-5	Sodium	855	B	E	P
7440-28-0	Thallium	1.4	U	N	P
7440-62-2	Vanadium	5.0	B	E	P
7440-66-6	Zinc	319			P
74-90-8	Cyanide	2.1		N	AS

Color Before: BROWN Clarity Before: _____ Texture: COARSE

Color After: GREEN Clarity After: _____ Artifacts: YES

Comments:
ROCKS_&_TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SS-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-09

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _45.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4500	_	E	P_
7440-36-0	Antimony_	1.1	U		P_
7440-38-2	Arsenic__	8.4			P_
7440-39-3	Barium___	17.5	B		P_
7440-41-7	Beryllium	0.13	U		P_
7440-43-9	Cadmium__	0.43	B		P_
7440-70-2	Calcium__	387000	_		P_
7440-47-3	Chromium_	11.8			P_
7440-48-4	Cobalt___	0.96	B		P_
7440-50-8	Copper___	13.7	_		P_
7439-89-6	Iron____	3060	_		P_
7439-92-1	Lead____	19.1	_		P_
7439-95-4	Magnesium	6500	_	*	P_
7439-96-5	Manganese	66.4			P_
7439-97-6	Mercury__	0.08	U		AV
7440-02-0	Nickel___	4.9	B		P_
7440-09-7	Potassium	621	B		P_
7782-49-2	Selenium_	2.1	U	N	P_
7440-22-4	Silver___	0.31	U		P_
7440-23-5	Sodium___	2180	B	E	P_
7440-28-0	Thallium_	2.0	U	N	P_
7440-62-2	Vanadium_	12.4	B	E	P_
7440-66-6	Zinc____	55.7	_		P_
74-90-8__	Cyanide__	2.6	_	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SS-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61335S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601335-10

Level (low/med): LOW__ Date Received: 01/15/96

% Solids: _69.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4790		E	P
7440-36-0	Antimony_	0.74	U		P
7440-38-2	Arsenic__	6.8			P
7440-39-3	Barium__	21.1	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium__	0.28	B		P
7440-70-2	Calcium__	316000			P
7440-47-3	Chromium_	10.3			P
7440-48-4	Cobalt___	0.57	B		P
7440-50-8	Copper___	9.1			P
7439-89-6	Iron____	2680			P
7439-92-1	Lead____	15.1			P
7439-95-4	Magnesium	5690		*	P
7439-96-5	Manganese	34.9			P
7439-97-6	Mercury__	0.06	U		AV
7440-02-0	Nickel___	4.3	B		P
7440-09-7	Potassium	513	B		P
7782-49-2	Selenium_	1.4	U	N	P
7440-22-4	Silver___	4.6			P
7440-23-5	Sodium___	988	B	E	P
7440-28-0	Thallium_	1.3	U	N	P
7440-62-2	Vanadium_	14.8		E	P
7440-66-6	Zinc____	16.5			P
74-90-8__	Cyanide__	0.29	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 61335S
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
S1SS-6	9601335-01
S1SS-5	9601335-02
SISS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12
S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17
Blank	QC337334
Laboratory Control Sample (LCS)	QC337335
Laboratory Control Sample Duplicate (LCSD)	QC337336
S1SS-4 Matrix Spike (MS)	QC337337
S1SS-4 Matrix Spike Duplicate (MSD)	QC337338
Blank	QC340963
Laboratory Control Sample (LCS)	QC340964
Laboratory Control Sample Duplicate (LCSD)	QC340965
S1SS-6 Matrix Spike (MS)	QC340966
S1SS-6 Matrix Spike Duplicate (MSD)	QC340967

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 originally analyzed within the technical holding times. However, samples S1SS-6 and S9SB-4 were re-extracted out of holding due to surrogate failure. A Nonconformance Report (NCR# GEL-AS-OA-2190) has been generated and is included in the package.

Surrogate Analysis

Surrogates for samples S1SS-6 and S9SB-4 originally failed recovery criteria. The samples were re-extracted and surrogate recovery fell within acceptance limits (see NCR# GEL-AS-OA-2190).

Blank Analysis

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

Spike Analysis

All MS and MSDs analyzed met quality control criteria for recoveries and relative percent difference (RPD). The MS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples.

Additional Comments

The continuing calibration check standard failed acceptance criteria on the confirmation column for 2,4-D, Silvex, and 2,4-DCAA.

The calibration curve for silvex on the confirmation column was not 0.995 or greater for the correlation coefficient. The primary column (reporting column) did have an acceptable curve. Silvex was not detected in any of the samples.

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1DPSS-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 50.2 (g/mL) g Lab File ID: APBJB36

% Moisture: 12 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	45.4	U
95-76-5	2,4,5-T	45.4	U
93-72-1	SILVEX	22.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SS-4

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 50.6 (g/mL) g Lab File ID: APBJB37

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	51.9	U
95-76-5	2,4,5-T	51.9	U
93-72-1	SILVEX	26.0	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SS-5

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 50.6 (g/mL) g Lab File ID: APBJB34

% Moisture: 16 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	47.6	U
95-76-5	2,4,5-T	47.6	U
93-72-1	SILVEX	23.8	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SS-6

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 50.8 (g/mL) g Lab File ID: APBJB33

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	51.1	U
95-76-5	2,4,5-T	51.1	U
93-72-1	SILVEX	25.6	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SS-6RR0

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 012F0101

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/12/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/13/96

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	51.9	U
95-76-5	2,4,5-T	51.9	U
93-72-1	SILVEX	26.0	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SS-7

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 51.0 (g/mL) g Lab File ID: APBJB35

% Moisture: 19 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	49.4	U
95-76-5	2,4,5-T	49.4	U
93-72-1	SILVEX	24.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 50.4 (g/mL) g Lab File ID: APBJB50

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	49.4	U
95-76-5	2,4,5-T	49.4	U
93-72-1	SILVEX	24.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9DPSS-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 50.5 (g/mL) g Lab File ID: APBJB44

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	53.3	U
95-76-5	2,4,5-T	53.3	U
93-72-1	SILVEX	26.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 50.2 (g/mL) g Lab File ID: APBJB45

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	49.4	U
95-76-5	2,4,5-T	49.4	U
93-72-1	SILVEX	24.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-2

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 50.8 (g/mL) g Lab File ID: APBJB46

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	50.0	U
95-76-5	2,4,5-T	50.0	U
93-72-1	SILVEX	25.0	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 50.1 (g/mL) g Lab File ID: APBJB47

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	50.0	U
95-76-5	2,4,5-T	50.0	U
93-72-1	SILVEX	25.0	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 50.48 (g/mL) g Lab File ID: APBJB48

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	48.9	U
95-76-5	2,4,5-T	48.9	U
93-72-1	SILVEX	24.4	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-4RR0

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 013F0101

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/12/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/13/96

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	49.4	U
95-76-5	2,4,5-T	49.4	U
93-72-1	SILVEX	24.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SB-5

·b Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 50.1 (g/mL) g Lab File ID: APBJB49

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	49.4	U
95-76-5	2,4,5-T	49.4	U
93-72-1	SILVEX	24.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SS-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 50.8 (g/mL) g Lab File ID: APBJB38

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	53.3	U
95-76-5	2,4,5-T	53.3	U
93-72-1	SILVEX	26.7	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 25.3 (g/mL) g Lab File ID: APBJB39

% Moisture: 41 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/10/96

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	67.8	U
95-76-5	2,4,5-T	67.8	U
93-72-1	SILVEX	33.9	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SS-3

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 50.2 (g/mL) g Lab File ID: APBJB41

% Moisture: 38 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	64.5	U
95-76-5	2,4,5-T	64.5	U
93-72-1	SILVEX	32.2	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SS-4

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 50.4 (g/mL) g Lab File ID: APBJB42

% Moisture: 55 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	88.9	U
95-76-5	2,4,5-T	88.9	U
93-72-1	SILVEX	44.4	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SS-5

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 50.0 (g/mL) g Lab File ID: APBJB43

% Moisture: 31 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/10/96

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	58.0	U
95-76-5	2,4,5-T	58.0	U
93-72-1	SILVEX	29.0	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 61335S
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
S1SS-6	9601335-01
S1SS-5	9601335-02
SISS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12
S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17
Blank	QC337339
Laboratory Control Sample (LCS)	QC337340
Laboratory Control Sample Duplicate (LCSD)	QC337341
S1SS-4 Matrix Spike (MS)	QC337342
S1SS-4 Matrix Spike Duplicate (MSD)	QC337343

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding time.

Surrogate Analysis

Surrogates were diluted out for samples S1SS-4, QC337342, QC337343, S1SS-6, S1SS-5, S1SS-7, S1DPSS-1, S9SS-1, S9SS-4, S9SS-5, S9DPSS-1, S9SB-6 and S9SB-2.

Blank Analysis

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

Spike Analysis

The MS and MSD analyzed failed quality control criteria for recoveries and relative percent difference (RPD) due to matrix interference. The MS limits are generated by Statistical Process Control (SPC). The LCS and LCSD can be used to demonstrate accuracy and precision.

Laboratory Control Samples

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

Dilutions

The following samples were diluted due to matrix interference:

Sample ID	Dilution
S1SS-6	10x
S1SS-5	50x
S1SS-7	200x
SIDPSS-1	50x
S1SS-4	50x
QC337342	10x
QC337343	10x
S9SS-1	5x
S9SS-3	5x
S9SS-4	5x
S9SS-5	5x
S9DPSS-1	5x
S9SB-1	5x
S9SB-2	5x

Samples S9SS-1, S9SB-3, S9SB-4, S9SB-5, S9DPSB-1 were analyzed undiluted. Note: In reviewing the initial undiluted raw data, there was a significant difference between the sample and its corresponding QC, therefore, sample S1SS-4 and its corresponding MS and MSD are analyzed and reported at different dilutions. The batch was inadvertently not re-extracted.

Additional Comments

On the initial run, the ending check standard failed, so the run was aborted. The samples were diluted based upon the raw data generated from this initial run. The data from which the ending check standard failed is not reported on the EDD or the forms. However, the raw data is included in the package.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1DPSS-1DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB23

% Moisture: 12 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
319-84-6	alpha-BHC	37.2	U
319-85-7	beta-BHC	37.2	U
319-86-8	delta-BHC	37.2	U
58-89-9	gamma-BHC (Lindane)	37.2	U
76-44-8	Heptachlor	37.2	U
309-00-2	Aldrin	37.2	U
1024-57-3	Heptachlor epoxide	37.2	U
959-98-8	Endosulfan I	37.2	U
60-57-1	Dieldrin	74.4	U
72-55-9	4,4'-DDE	74.4	U
72-20-8	Endrin	74.4	U
33213-65-9	Endosulfan II	74.4	U
72-54-8	4,4'-DDD	74.4	U
1031-07-8	Endosulfan sulfate	74.4	U
50-29-3	4,4'-DDT	74.4	U
72-43-5	Methoxychlor	372	U
7421-93-4	Endrin aldehyde	74.4	U
8001-35-2	Toxaphene	1860	U
12674-11-2	Aroclor-1016	232	U
11104-28-2	Aroclor-1221	232	U
1114-16-5	Aroclor-1232	232	U
53469-21-9	Aroclor-1242	232	U
12672-29-6	Aroclor-1248	232	U
11097-69-1	Aroclor-1254	232	U
11096-82-5	Aroclor-1260	232	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1DPSS-1DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB23

% Moisture: 12 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	465	U
298-02-2	Phorate	93.0	U
298-00-0	Methyl Parathion	93.0	U
56-38-2	Parathion	93.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-4DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB24

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
319-84-6	alpha-BHC	42.7	U
319-85-7	beta-BHC	42.7	U
319-86-8	delta-BHC	42.7	U
58-89-9	gamma-BHC (Lindane)	42.7	U
76-44-8	Heptachlor	42.7	U
309-00-2	Aldrin	42.7	U
1024-57-3	Heptachlor epoxide	42.7	U
959-98-8	Endosulfan I	42.7	U
60-57-1	Dieldrin	85.4	U
72-55-9	4,4'-DDE	85.4	U
72-20-8	Endrin	85.4	U
33213-65-9	Endosulfan II	85.4	U
72-54-8	4,4'-DDD	85.4	U
1031-07-8	Endosulfan sulfate	85.4	U
50-29-3	4,4'-DDT	85.4	U
72-43-5	Methoxychlor	427	U
7421-93-4	Endrin aldehyde	85.4	U
8001-35-2	Toxaphene	2140	U
12674-11-2	Aroclor-1016	267	U
11104-28-2	Aroclor-1221	267	U
1114-16-5	Aroclor-1232	267	U
53469-21-9	Aroclor-1242	267	U
12672-29-6	Aroclor-1248	267	U
11097-69-1	Aroclor-1254	267	U
11096-82-5	Aroclor-1260	267	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-4DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB24

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	534	U
298-02-2	Phorate	107	U
298-00-0	Methyl Parathion	107	U
56-38-2	Parathion	107	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-5DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB20

% Moisture: 16 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
319-84-6	alpha-BHC	39.6	U
319-85-7	beta-BHC	39.6	U
319-86-8	delta-BHC	39.6	U
58-89-9	gamma-BHC (Lindane)	39.6	U
76-44-8	Heptachlor	39.6	U
309-00-2	Aldrin	39.6	U
1024-57-3	Heptachlor epoxide	39.6	U
959-98-8	Endosulfan I	39.6	U
60-57-1	Dieldrin	79.3	U
72-55-9	4,4'-DDE	79.3	U
72-20-8	Endrin	79.3	U
33213-65-9	Endosulfan II	79.3	U
72-54-8	4,4'-DDD	79.3	U
1031-07-8	Endosulfan sulfate	79.3	U
50-29-3	4,4'-DDT	79.3	U
72-43-5	Methoxychlor	397	U
7421-93-4	Endrin aldehyde	79.3	U
8001-35-2	Toxaphene	1980	U
12674-11-2	Aroclor-1016	248	U
11104-28-2	Aroclor-1221	248	U
1114-16-5	Aroclor-1232	248	U
53469-21-9	Aroclor-1242	248	U
12672-29-6	Aroclor-1248	248	U
11097-69-1	Aroclor-1254	248	U
11096-82-5	Aroclor-1260	248	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-5DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB20

% Moisture: 16 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	496	U
298-02-2	Phorate	99.2	U
298-00-0	Methyl Parathion	99.2	U
56-38-2	Parathion	99.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-6DL1

-b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJVB19

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
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 (Lindane)	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	19.7	P
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	85.9	U
7421-93-4	Endrin aldehyde	17.2	U
8001-35-2	Toxaphene	430	U
12674-11-2	Aroclor-1016	53.7	U
11104-28-2	Aroclor-1221	53.7	U
1114-16-5	Aroclor-1232	53.7	U
53469-21-9	Aroclor-1242	53.7	U
12672-29-6	Aroclor-1248	53.7	U
11097-69-1	Aroclor-1254	53.7	U
11096-82-5	Aroclor-1260	644	J

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-6DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJVB19

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	107	U
298-02-2	Phorate	21.5	U
298-00-0	Methyl Parathion	21.5	U
56-38-2	Parathion	21.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-6RA0

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJVB25

% Moisture: 23 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/14/96

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/Kg	Q
11096-82-5	Aroclor-1260	522	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-7DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB21

% Moisture: 19 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

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	162	U
319-85-7	beta-BHC	162	U
319-86-8	delta-BHC	162	U
58-89-9	gamma-BHC (Lindane)	162	U
76-44-8	Heptachlor	162	U
309-00-2	Aldrin	162	U
1024-57-3	Heptachlor epoxide	162	U
959-98-8	Endosulfan I	162	U
60-57-1	Dieldrin	325	U
72-55-9	4,4'-DDE	1730	P
72-20-8	Endrin	325	U
33213-65-9	Endosulfan II	325	U
72-54-8	4,4'-DDD	325	U
1031-07-8	Endosulfan sulfate	325	U
50-29-3	4,4'-DDT	709	
72-43-5	Methoxychlor	1620	U
7421-93-4	Endrin aldehyde	325	U
8001-35-2	Toxaphene	8130	U
12674-11-2	Aroclor-1016	1020	U
11104-28-2	Aroclor-1221	1020	U
1114-16-5	Aroclor-1232	1020	U
53469-21-9	Aroclor-1242	1020	U
12672-29-6	Aroclor-1248	1020	U
11097-69-1	Aroclor-1254	1020	U
11096-82-5	Aroclor-1260	1020	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SS-7DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB21

% Moisture: 19 decanted: (Y/N) N Date Received: 01/15/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

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
57-74-9	Chlordane (tech.)	2030	U
298-02-2	Phorate	406	U
298-00-0	Methyl Parathion	406	U
56-38-2	Parathion	406	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB37

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.81	U
319-85-7	beta-BHC	0.81	U
319-86-8	delta-BHC	1.7	P
58-89-9	gamma-BHC (Lindane)	0.81	U
76-44-8	Heptachlor	0.81	U
309-00-2	Aldrin	0.81	U
1024-57-3	Heptachlor epoxide	0.81	U
959-98-8	Endosulfan I	0.81	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	1.9	
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	5.4	
72-43-5	Methoxychlor	8.1	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	40.5	U
12674-11-2	Aroclor-1016	5.1	U
11104-28-2	Aroclor-1221	5.1	U
1114-16-5	Aroclor-1232	5.1	U
53469-21-9	Aroclor-1242	5.1	U
12672-29-6	Aroclor-1248	5.1	U
11097-69-1	Aroclor-1254	5.1	U
11096-82-5	Aroclor-1260	5.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB37

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	10.1	U
298-02-2	Phorate	2.0	U
298-00-0	Methyl Parathion	2.0	U
56-38-2	Parathion	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSS-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKJVB30

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	4.4	U
319-85-7	beta-BHC	4.4	U
319-86-8	delta-BHC	4.4	U
58-89-9	gamma-BHC (Lindane)	4.4	U
76-44-8	Heptachlor	4.4	U
309-00-2	Aldrin	4.4	U
1024-57-3	Heptachlor epoxide	4.4	U
959-98-8	Endosulfan I	4.4	U
60-57-1	Dieldrin	8.8	U
72-55-9	4,4'-DDE	8.8	U
72-20-8	Endrin	8.8	U
33213-65-9	Endosulfan II	8.8	U
72-54-8	4,4'-DDD	8.8	U
1031-07-8	Endosulfan sulfate	8.8	U
50-29-3	4,4'-DDT	8.8	U
72-43-5	Methoxychlor	44.2	U
7421-93-4	Endrin aldehyde	8.8	U
8001-35-2	Toxaphene	221	U
12674-11-2	Aroclor-1016	27.6	U
11104-28-2	Aroclor-1221	27.6	U
1114-16-5	Aroclor-1232	27.6	U
53469-21-9	Aroclor-1242	27.6	U
12672-29-6	Aroclor-1248	27.6	U
11097-69-1	Aroclor-1254	27.6	U
11096-82-5	Aroclor-1260	27.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSS-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKJVB30

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	55.3	U
298-02-2	Phorate	11.0	U
298-00-0	Methyl Parathion	11.0	U
56-38-2	Parathion	11.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKJVB31

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
58-89-9	gamma-BHC (Lindane)	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
1024-57-3	Heptachlor epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
60-57-1	Dieldrin	8.2	U
72-55-9	4,4'-DDE	8.2	U
72-20-8	Endrin	8.2	U
33213-65-9	Endosulfan II	8.2	U
72-54-8	4,4'-DDD	8.2	U
1031-07-8	Endosulfan sulfate	8.2	U
50-29-3	4,4'-DDT	8.2	U
72-43-5	Methoxychlor	41.0	U
7421-93-4	Endrin aldehyde	8.2	U
8001-35-2	Toxaphene	205	U
12674-11-2	Aroclor-1016	25.6	U
11104-28-2	Aroclor-1221	25.6	U
1114-16-5	Aroclor-1232	25.6	U
53469-21-9	Aroclor-1242	25.6	U
12672-29-6	Aroclor-1248	25.6	U
11097-69-1	Aroclor-1254	25.6	U
11096-82-5	Aroclor-1260	25.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.1 (g/mL) g Lab File ID: AKJVB31

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	51.2	U
298-02-2	Phorate	10.2	U
298-00-0	Methyl Parathion	10.2	U
56-38-2	Parathion	10.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-02DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.7 (g/mL) g Lab File ID: AKJVB33

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
58-89-9	gamma-BHC (Lindane)	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
1024-57-3	Heptachlor epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
60-57-1	Dieldrin	8.2	U
72-55-9	4,4'-DDE	8.2	U
72-20-8	Endrin	8.2	U
33213-65-9	Endosulfan II	8.2	U
72-54-8	4,4'-DDD	8.2	U
1031-07-8	Endosulfan sulfate	8.2	U
50-29-3	4,4'-DDT	8.2	U
72-43-5	Methoxychlor	40.8	U
7421-93-4	Endrin aldehyde	8.2	U
8001-35-2	Toxaphene	204	U
12674-11-2	Aroclor-1016	25.5	U
11104-28-2	Aroclor-1221	25.5	U
1114-16-5	Aroclor-1232	25.5	U
53469-21-9	Aroclor-1242	25.5	U
12672-29-6	Aroclor-1248	25.5	U
11097-69-1	Aroclor-1254	25.5	U
11096-82-5	Aroclor-1260	25.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-02DL1

-b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.7 (g/mL) g Lab File ID: AKJVB33

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	51.0	U
298-02-2	Phorate	10.2	U
298-00-0	Methyl Parathion	10.2	U
56-38-2	Parathion	10.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.6 (g/mL) g Lab File ID: AKJVB34

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	0.82	U
319-85-7	beta-BHC	0.82	U
319-86-8	delta-BHC	0.82	U
58-89-9	gamma-BHC (Lindane)	0.82	U
76-44-8	Heptachlor	0.82	U
309-00-2	Aldrin	0.82	U
1024-57-3	Heptachlor epoxide	0.82	U
959-98-8	Endosulfan I	0.82	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	1.6	U
72-43-5	Methoxychlor	8.2	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	40.8	U
12674-11-2	Aroclor-1016	5.1	U
11104-28-2	Aroclor-1221	5.1	U
1114-16-5	Aroclor-1232	5.1	U
53469-21-9	Aroclor-1242	5.1	U
12672-29-6	Aroclor-1248	5.1	U
11097-69-1	Aroclor-1254	5.1	U
11096-82-5	Aroclor-1260	5.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-3

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.6 (g/mL) g Lab File ID: AKJVB34

% Moisture: 20 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	10.2	U
298-02-2	Phorate	2.0	U
298-00-0	Methyl Parathion	2.0	U
56-38-2	Parathion	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJVB35

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.81	U
319-85-7	beta-BHC	0.81	U
319-86-8	delta-BHC	0.81	U
58-89-9	gamma-BHC (Lindane)	0.81	U
76-44-8	Heptachlor	0.81	U
309-00-2	Aldrin	0.81	U
1024-57-3	Heptachlor epoxide	0.81	U
959-98-8	Endosulfan I	0.81	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	1.6	U
72-43-5	Methoxychlor	8.1	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	40.7	U
12674-11-2	Aroclor-1016	5.1	U
11104-28-2	Aroclor-1221	5.1	U
1114-16-5	Aroclor-1232	5.1	U
53469-21-9	Aroclor-1242	5.1	U
12672-29-6	Aroclor-1248	5.1	U
11097-69-1	Aroclor-1254	5.1	U
11096-82-5	Aroclor-1260	5.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJVB35

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	10.2	U
298-02-2	Phorate	2.0	U
298-00-0	Methyl Parathion	2.0	U
56-38-2	Parathion	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB36

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	0.82	U
319-85-7	beta-BHC	0.82	U
319-86-8	delta-BHC	0.82	U
58-89-9	gamma-BHC (Lindane)	0.82	U
76-44-8	Heptachlor	0.82	U
309-00-2	Aldrin	0.82	U
1024-57-3	Heptachlor epoxide	0.82	U
959-98-8	Endosulfan I	0.82	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	1.6	U
72-43-5	Methoxychlor	8.2	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	41.2	U
12674-11-2	Aroclor-1016	5.1	U
11104-28-2	Aroclor-1221	5.1	U
1114-16-5	Aroclor-1232	5.1	U
53469-21-9	Aroclor-1242	5.1	U
12672-29-6	Aroclor-1248	5.1	U
11097-69-1	Aroclor-1254	5.1	U
11096-82-5	Aroclor-1260	5.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SB-5

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB36

% Moisture: 19 decanted: (Y/N) N Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	10.3	U
298-02-2	Phorate	2.0	U
298-00-0	Methyl Parathion	2.0	U
56-38-2	Parathion	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB25

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	4.4	U
319-85-7	beta-BHC	4.4	U
319-86-8	delta-BHC	4.4	U
58-89-9	gamma-BHC (Lindane)	4.4	U
76-44-8	Heptachlor	4.4	U
309-00-2	Aldrin	4.4	U
1024-57-3	Heptachlor epoxide	4.4	U
959-98-8	Endosulfan I	4.4	U
60-57-1	Dieldrin	8.9	U
72-55-9	4,4'-DDE	9.0	P
72-20-8	Endrin	8.9	U
33213-65-9	Endosulfan II	8.9	U
72-54-8	4,4'-DDD	8.9	U
1031-07-8	Endosulfan sulfate	8.9	U
50-29-3	4,4'-DDT	8.9	U
72-43-5	Methoxychlor	44.4	U
7421-93-4	Endrin aldehyde	8.9	U
8001-35-2	Toxaphene	222	U
12674-11-2	Aroclor-1016	27.7	U
11104-28-2	Aroclor-1221	27.7	U
1114-16-5	Aroclor-1232	27.7	U
53469-21-9	Aroclor-1242	27.7	U
12672-29-6	Aroclor-1248	27.7	U
11097-69-1	Aroclor-1254	27.7	U
11096-82-5	Aroclor-1260	27.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: AKJVB25

% Moisture: 25 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	55.5	U
298-02-2	Phorate	11.1	U
298-00-0	Methyl Parathion	11.1	U
56-38-2	Parathion	11.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB26

% Moisture: 41 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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 (Lindane)	1.1	U
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U
959-98-8	Endosulfan I	1.1	U
60-57-1	Dieldrin	2.2	U
72-55-9	4,4'-DDE	2.2	U
72-20-8	Endrin	5.1	P
33213-65-9	Endosulfan II	2.2	U
72-54-8	4,4'-DDD	2.2	U
1031-07-8	Endosulfan sulfate	2.2	U
50-29-3	4,4'-DDT	2.3	P
72-43-5	Methoxychlor	11.1	U
7421-93-4	Endrin aldehyde	2.2	U
8001-35-2	Toxaphene	55.7	U
12674-11-2	Aroclor-1016	7.0	U
11104-28-2	Aroclor-1221	7.0	U
1114-16-5	Aroclor-1232	7.0	U
53469-21-9	Aroclor-1242	7.0	U
12672-29-6	Aroclor-1248	7.0	U
11097-69-1	Aroclor-1254	7.0	U
11096-82-5	Aroclor-1260	7.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 30.4 (g/mL) g Lab File ID: AKJVB26

% Moisture: 41 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	13.9	U
298-02-2	Phorate	2.8	U
298-00-0	Methyl Parathion	2.8	U
56-38-2	Parathion	2.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-3DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB27

% Moisture: 38 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	5.3	U
319-85-7	beta-BHC	5.3	U
319-86-8	delta-BHC	5.3	U
58-89-9	gamma-BHC (Lindane)	5.3	U
76-44-8	Heptachlor	5.3	U
309-00-2	Aldrin	5.3	U
1024-57-3	Heptachlor epoxide	5.3	U
959-98-8	Endosulfan I	5.3	U
60-57-1	Dieldrin	10.6	U
72-55-9	4,4'-DDE	10.6	U
72-20-8	Endrin	10.6	U
33213-65-9	Endosulfan II	10.6	U
72-54-8	4,4'-DDD	10.6	U
1031-07-8	Endosulfan sulfate	10.6	U
50-29-3	4,4'-DDT	10.6	U
72-43-5	Methoxychlor	52.8	U
7421-93-4	Endrin aldehyde	10.6	U
8001-35-2	Toxaphene	264	U
12674-11-2	Aroclor-1016	33.0	U
11104-28-2	Aroclor-1221	33.0	U
1114-16-5	Aroclor-1232	33.0	U
53469-21-9	Aroclor-1242	33.0	U
12672-29-6	Aroclor-1248	33.0	U
11097-69-1	Aroclor-1254	33.0	U
11096-82-5	Aroclor-1260	33.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-3DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: AKJVB27

% Moisture: 38 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	66.0	U
298-02-2	Phorate	13.2	U
298-00-0	Methyl Parathion	13.2	U
56-38-2	Parathion	13.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJVB28

% Moisture: 55 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	7.3	U
319-85-7	beta-BHC	7.3	U
319-86-8	delta-BHC	7.3	U
58-89-9	gamma-BHC (Lindane)	7.3	U
76-44-8	Heptachlor	7.3	U
309-00-2	Aldrin	7.3	U
1024-57-3	Heptachlor epoxide	7.3	U
959-98-8	Endosulfan I	7.3	U
60-57-1	Dieldrin	14.7	U
72-55-9	4,4'-DDE	14.7	U
72-20-8	Endrin	14.7	U
33213-65-9	Endosulfan II	14.7	U
72-54-8	4,4'-DDD	14.7	U
1031-07-8	Endosulfan sulfate	14.7	U
50-29-3	4,4'-DDT	14.7	U
72-43-5	Methoxychlor	73.4	U
7421-93-4	Endrin aldehyde	14.7	U
8001-35-2	Toxaphene	367	U
12674-11-2	Aroclor-1016	45.9	U
11104-28-2	Aroclor-1221	45.9	U
1114-16-5	Aroclor-1232	45.9	U
53469-21-9	Aroclor-1242	45.9	U
12672-29-6	Aroclor-1248	45.9	U
11097-69-1	Aroclor-1254	45.9	U
11096-82-5	Aroclor-1260	45.9	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: AKJVB28

% Moisture: 55 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	91.8	U
298-02-2	Phorate	18.4	U
298-00-0	Methyl Parathion	18.4	U
56-38-2	Parathion	18.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJVB29

% Moisture: 31 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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	4.8	U
319-85-7	beta-BHC	4.8	U
319-86-8	delta-BHC	4.8	U
58-89-9	gamma-BHC (Lindane)	4.8	U
76-44-8	Heptachlor	4.8	U
309-00-2	Aldrin	4.8	U
1024-57-3	Heptachlor epoxide	4.8	U
959-98-8	Endosulfan I	7.9	P
60-57-1	Dieldrin	9.6	U
72-55-9	4,4'-DDE	15.1	P
72-20-8	Endrin	9.6	U
33213-65-9	Endosulfan II	9.6	U
72-54-8	4,4'-DDD	9.6	U
1031-07-8	Endosulfan sulfate	9.6	U
50-29-3	4,4'-DDT	9.6	U
72-43-5	Methoxychlor	48.0	U
7421-93-4	Endrin aldehyde	9.6	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	30.0	U
11104-28-2	Aroclor-1221	30.0	U
1114-16-5	Aroclor-1232	30.0	U
53469-21-9	Aroclor-1242	30.0	U
12672-29-6	Aroclor-1248	30.0	U
11097-69-1	Aroclor-1254	30.0	U
11096-82-5	Aroclor-1260	30.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SS-5DL1

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601315-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: AKJVB29

% Moisture: 31 decanted: (Y/N) N Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/08/96

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
57-74-9	Chlordane (tech.)	60.0	U
298-02-2	Phorate	12.0	U
298-00-0	Methyl Parathion	12.0	U
56-38-2	Parathion	12.0	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61335S
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
S1SS-6	9601335-01
S1SS-5	9601335-02
SISS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12
S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17
Blank	QC337344
Laboratory Control Sample (LCS)	QC337345
Laboratory Control Sample Duplicate (LCSD)	QC337346
S1SS-4 Matrix Spike (MS)	QC337347
S1SS-4 Matrix Spike Duplicate (MSD)	QC337348

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding times

Surrogate Analysis

Surrogates for samples S1SS-5, S1DPSS-1, and S9SS-4 were diluted out. Sample S9SB-1 failed surrogate recovery for Nitrobenzene-d5 due to matrix interference (see NCR# GEL-AS-OA-2175).

Internal Standards

The LCS failed internal standard acceptance criteria for Perylene-d12. However, the LCSD can be used to demonstrate accuracy (see NCR# GEL-QA-DR-360).

Blank Analysis

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

Spike Analysis

The MS and MSD met recovery criteria. The MSD failed relative percent difference (RPD) criteria for Pentachlorophenol. Since there are no hits of Pentachlorophenol in any of the samples, this is deemed acceptable because the recovery failed high. Currently, we do not have statistical process control (SPC) limits for RPD since MSD analysis is not a requirement for SW-846, therefore, CLP limits are being used. Percent recovery acceptance limits have been derived from SPC.

Laboratory Control Samples

The LCS failed internal standard criteria for Perylene-d12. However, the LCSD met recovery criteria and will be used to demonstrate accuracy, per Brown & Root.

Dilutions

Samples S1SS-5 and S1DPSS-1 were analyzed at 4x dilutions in order to quanitate target analytes within the calibration range of the analytical equipment. Sample S9SS-4 was analyzed at a 4x dilution due to matrix interference with the internal standard. All other samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E216

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	377	U
95-48-7	2-methylphenol	377	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	377	U
67-72-1	hexachloroethane	377	U
98-95-3	nitrobenzene	377	U
87-68-3	hexachlorobutadiene	377	U
88-06-2	2,4,6-trichlorophenol	377	U
95-95-4	2,4,5-trichlorophenol	377	U
121-14-2	2,4-dinitrotoluene	377	U
118-74-1	hexachlorobenzene	377	U
87-86-5	pentachlorophenol	377	U
62-53-3	aniline	377	U
108-95-2	phenol	377	U
111-44-4	bis(2-chloroethyl)ether	377	U
95-57-8	2-chlorophenol	377	U
541-73-1	1,3-dichlorobenzene	377	U
106-47-7	1,4-dichlorobenzene	377	U
100-51-6	benzyl alcohol	377	U
95-50-1	1,2-dichlorobenzene	377	U
98-86-2	acetophenone	377	U
621-64-7	N-nitroso-di-n-propylamine	377	U
78-59-1	isophorone	377	U
88-75-5	2-nitrophenol	377	U
105-67-9	2,4-dimethylphenol	377	U
111-91-1	bis(2-chloroethoxy)methane	377	U
120-83-2	2,4-dichlorophenol	377	U
120-82-1	1,2,4-trichlorobenzene	377	U
91-20-3	naphthalene	377	U
106-47-8	4-chloroaniline	377	U
59-50-7	4-chloro-3-methylphenol	377	U
91-57-6	2-methylnaphthalene	377	U
77-47-4	hexachlorocyclopentadiene	377	U
91-58-7	2-chloronaphthalene	377	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E216

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	377	U
131-11-3	dimethylphthalate	377	U
209-96-8	acenaphthylene	377	U
606-20-2	2,6-dinitrotoluene	377	U
99-09-2	3-nitroaniline	377	U
83-32-9	acenaphthene	377	U
51-28-5	2,4-dinitrophenol	754	U
132-64-9	dibenzofuran	377	U
100-02-7	4-nitrophenol	377	U
84-66-2	diethylphthalate	377	U
7005-72-3	4-chlorophenylphenylether	377	U
86-73-7	fluorene	377	U
100-01-6	4-nitroaniline	377	U
534-52-1	4,6-dinitro-2-methylphenol	377	U
86-30-6	N-nitroso-diphenylamine	377	U
101-55-3	4-bromophenylphenylether	377	U
85-01-8	phenanthrene	2680	
120-12-7	anthracene	334	
84-74-2	di-n-butylphthalate	377	U
206-44-0	fluoranthene	6440	E
129-00-0	pyrene	8670	E
85-68-7	butylbenzylphthalate	377	U
91-94-1	3,3'-dichlorobenzidine	1890	U
56-55-3	benzo(a)anthracene	5060	E
218-01-9	chrysene	6250	E
117-81-7	bis(2-ethylhexyl)phthalate	377	U
117-84-0	di-n-octylphthalate	377	U
205-99-2	benzo(b)fluoranthene	8460	E
207-08-9	benzo(k)fluoranthene	377	U
50-32-8	benzo(a)pyrene	2270	
193-39-5	indeno(1,2,3-cd)pyrene	1860	
53-70-3	dibenz(a,h)anthracene	717	
191-24-2	benzo(g,h,i)perylene	2200	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E216

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	377	U
123-91-1	1,4-dioxane	377	U
80-62-6	methyl methacrylate	377	U
97-63-2	ethyl methacrylate	377	U
109-06-8	2-picoline	377	U
10595-95-6	n-nitrosomethylethylamine	377	U
66-27-3	methyl methanesulfonate	377	U
55-18-5	n-nitrosodiethylamine	377	U
62-50-0	ethyl methanesulfonate	377	U
76-01-7	pentachloroethane	377	U
930-55-2	n-nitrosopyrrolidine	377	U
59-89-2	n-nitrosomorpholine	377	U
95-53-4	o-toluidine	377	U
100-75-4	n-nitrosopiperdine	377	U
122-09-8	a,a-dimethylphenethylamine	377	U
126-68-1	triethylphosphorothioate	377	U
87-65-0	2,6-dichlorophenol	377	U
1888-71-7	hexachloropropene	377	U
106-50-3	p-phenylenediamine	754	U
924-16-3	n-nitroso-di-n-butylamine	377	U
94-59-7	safrole	377	U
634-90-2	1,2,4,5-tetrachlorobenzene	377	U
120-58-1	isosafrole	377	U
130-15-4	1,4-naphthoquinone	377	U
99-65-0	m-dinitrobenzene	377	U
608-93-5	pentachlorobenzene	377	U
134-32-7	1-naphthylamine	377	U
91-59-8	2-naphthylamine	377	U
58-90-2	2,3,4,6-tetrachlorophenol	377	U
99-55-8	5-nitro-o-toluidine	377	U
297-97-2	thionazine	377	U
122-39-4	diphenylamine	377	U
3689-24-5	sulfotepp	377	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E216

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1890 ~~377~~	U
62-44-2	phenacetin	377	U
2303-16-4	diallate	377	U
60-51-5	dimethoate	1890 ~~377~~	U
92-67-1	4-aminobiphenyl	377	U
82-68-8	pentachloronitrobenzene	377	U
23950-58-5	pronamide	377	U
88-85-7	dinoseb	754	U
298-04-4	disulfoton	377	U
56-57-5	4-nitroquinoline-1-oxide	754	U
135-23-9	methapyrilene	1890 ~~377~~	U
465-73-6	isodrin	377	U
140-57-8	aramite	754	U
143-50-0	kepone	377	U
60-11-7	p-(dimethylamino)azobenzene	377	U
510-15-6	chlorobenzilate	1890 ~~377~~	U
119-93-7	3,3'-dimethylbenzidine	1890	U
52-85-7	famphur	377	U
53-96-3	2-acetylaminofluorene	377	U
57-97-6	7,12-dimethylbenz(a)anthracene	377	U
59-49-5	3-methylcholanthrene	377	U

DMW 2/22/96

COMMENTS: SAMPLE WAS RERUN DUE TO THE FAILURE OF AN INTERNAL STANDARD.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E519

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1510	U
95-48-7	2-methylphenol	1510	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1510	U
67-72-1	hexachloroethane	1510	U
98-95-3	nitrobenzene	1510	U
87-68-3	hexachlorobutadiene	1510	U
88-06-2	2,4,6-trichlorophenol	1510	U
95-95-4	2,4,5-trichlorophenol	1510	U
121-14-2	2,4-dinitrotoluene	1510	U
118-74-1	hexachlorobenzene	1510	U
87-86-5	pentachlorophenol	1510	U
62-53-3	aniline	1510	U
108-95-2	phenol	1510	U
111-44-4	bis(2-chloroethyl)ether	1510	U
95-57-8	2-chlorophenol	1510	U
541-73-1	1,3-dichlorobenzene	1510	U
106-47-7	1,4-dichlorobenzene	1510	U
100-51-6	benzyl alcohol	1510	U
95-50-1	1,2-dichlorobenzene	1510	U
98-86-2	acetophenone	1510	U
621-64-7	N-nitroso-di-n-propylamine	1510	U
78-59-1	isophorone	1510	U
88-75-5	2-nitrophenol	1510	U
105-67-9	2,4-dimethylphenol	1510	U
111-91-1	bis(2-chloroethoxy)methane	1510	U
120-83-2	2,4-dichlorophenol	1510	U
120-82-1	1,2,4-trichlorobenzene	1510	U
91-20-3	naphthalene	1510	U
106-47-8	4-chloroaniline	1510	U
59-50-7	4-chloro-3-methylphenol	1510	U
91-57-6	2-methylnaphthalene	1510	U
77-47-4	hexachlorocyclopentadiene	1510	U
91-58-7	2-chloronaphthalene	1510	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E519

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1510	U
131-11-3	dimethylphthalate	1510	U
209-96-8	acenaphthylene	1510	U
606-20-2	2,6-dinitrotoluene	1510	U
99-09-2	3-nitroaniline	1510	U
83-32-9	acenaphthene	1510	U
51-28-5	2,4-dinitrophenol	3020	U
132-64-9	dibenzofuran	1510	U
100-02-7	4-nitrophenol	1510	U
84-66-2	diethylphthalate	1510	U
7005-72-3	4-chlorophenylphenylether	1510	U
86-73-7	fluorene	1510	U
100-01-6	4-nitroaniline	1510	U
534-52-1	4,6-dinitro-2-methylphenol	1510	U
86-30-6	N-nitroso-diphenylamine	1510	U
101-55-3	4-bromophenylphenylether	1510	U
85-01-8	phenanthrene	2280	
120-12-7	anthracene	1510	U
84-74-2	di-n-butylphthalate	1510	U
206-44-0	fluoranthene	7800	
129-00-0	pyrene	7900	
85-68-7	butylbenzylphthalate	1510	U
91-94-1	3,3'-dichlorobenzidine	7540	U
56-55-3	benzo(a)anthracene	4650	
218-01-9	chrysene	7230	
117-81-7	bis(2-ethylhexyl)phthalate	1510	U
117-84-0	di-n-octylphthalate	1510	U
205-99-2	benzo(b)fluoranthene	7580	
207-08-9	benzo(k)fluoranthene	1510	U
50-32-8	benzo(a)pyrene	2270	
193-39-5	indeno(1,2,3-cd)pyrene	1550	
53-70-3	dibenz(a,h)anthracene	1510	U
191-24-2	benzo(g,h,i)perylene	1830	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E519

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1510	U
123-91-1	1,4-dioxane	1510	U
80-62-6	methyl methacrylate	1510	U
97-63-2	ethyl methacrylate	1510	U
109-06-8	2-picoline	1510	U
10595-95-6	n-nitrosomethylethylamine	1510	U
66-27-3	methyl methanesulfonate	1510	U
55-18-5	n-nitrosodiethylamine	1510	U
62-50-0	ethyl methanesulfonate	1510	U
76-01-7	pentachloroethane	1510	U
930-55-2	n-nitrosopyrrolidine	1510	U
59-89-2	n-nitrosomorpholine	1510	U
95-53-4	o-toluidine	1510	U
100-75-4	n-nitrosopiperdine	1510	U
122-09-8	a,a-dimethylphenethylamine	1510	U
126-68-1	triethylphosphorothioate	1510	U
87-65-0	2,6-dichlorophenol	1510	U
1888-71-7	hexachloropropene	1510	U
106-50-3	p-phenylenediamine	3020	U
924-16-3	n-nitroso-di-n-butylamine	1510	U
94-59-7	safrole	1510	U
634-90-2	1,2,4,5-tetrachlorobenzene	1510	U
120-58-1	isosafrole	1510	U
130-15-4	1,4-naphthoquinone	1510	U
99-65-0	m-dinitrobenzene	1510	U
608-93-5	pentachlorobenzene	1510	U
134-32-7	1-naphthylamine	1510	U
91-59-8	2-naphthylamine	1510	U
58-90-2	2,3,4,6-tetrachlorophenol	1510	U
99-55-8	5-nitro-o-toluidine	1510	U
297-97-2	thionazine	1510	U
122-39-4	diphenylamine	1510	U
3689-24-5	sulfotepp	1510	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1DL1

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E519

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	7550 ~~7500~~ ~~1510~~	U
62-44-2	phenacetin	1510	U
2303-16-4	diallate	1510	U
60-51-5	dimethoate	7550 ~~1510~~	U
92-67-1	4-aminobiphenyl	1510	U
82-68-8	pentachloronitrobenzene	1510	U
23950-58-5	pronamide	1510	U
88-85-7	dinoseb	1510	U
298-04-4	disulfoton	1510	U
56-57-5	4-nitroquinoline-1-oxide	1510	U
135-23-9	methapyrilene	7550 ~~1510~~	U
465-73-6	isodrin	1510	U
140-57-8	aramite	1510	U
143-50-0	kepone	1510	U
60-11-7	p-(dimethylamino)azobenzene	1510	U
510-15-6	chlorobenzilate	7550 ~~1510~~	U
119-93-7	3,3'-dimethylbenzidine	7550 ~~1510~~	U
52-85-7	famphur	1510	U
53-96-3	2-acetylaminofluorene	1510	U
57-97-6	7,12-dimethylbenz(a)anthracene	1510	U
59-49-5	3-methylcholanthrene	1510	U

DMW 2/02/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E518

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	377	U
95-48-7	2-methylphenol	377	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	377	U
67-72-1	hexachloroethane	377	U
98-95-3	nitrobenzene	377	U
87-68-3	hexachlorobutadiene	377	U
88-06-2	2,4,6-trichlorophenol	377	U
95-95-4	2,4,5-trichlorophenol	377	U
121-14-2	2,4-dinitrotoluene	377	U
118-74-1	hexachlorobenzene	377	U
87-86-5	pentachlorophenol	377	U
62-53-3	aniline	377	U
108-95-2	phenol	377	U
111-44-4	bis(2-chloroethyl)ether	377	U
95-57-8	2-chlorophenol	377	U
541-73-1	1,3-dichlorobenzene	377	U
106-46-7	1,4-dichlorobenzene	377	U
100-51-6	benzyl alcohol	377	U
95-50-1	1,2-dichlorobenzene	377	U
98-86-2	acetophenone	377	U
621-64-7	N-nitroso-di-n-propylamine	377	U
78-59-1	isophorone	377	U
88-75-5	2-nitrophenol	377	U
105-67-9	2,4-dimethylphenol	377	U
111-91-1	bis(2-chloroethoxy)methane	377	U
120-83-2	2,4-dichlorophenol	377	U
120-82-1	1,2,4-trichlorobenzene	377	U
91-20-3	naphthalene	377	U
106-47-8	4-chloroaniline	377	U
59-50-7	4-chloro-3-methylphenol	377	U
91-57-6	2-methylnaphthalene	377	U
77-47-4	hexachlorocyclopentadiene	377	U
91-58-7	2-chloronaphthalene	377	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1RA0

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E518

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	377	U
131-11-3	dimethylphthalate	377	U
209-96-8	acenaphthylene	377	U
606-20-2	2,6-dinitrotoluene	377	U
99-09-2	3-nitroaniline	377	U
83-32-9	acenaphthene	377	U
51-28-5	2,4-dinitrophenol	754	U
132-64-9	dibenzofuran	377	U
100-02-7	4-nitrophenol	377	U
84-66-2	diethylphthalate	377	U
7005-72-3	4-chlorophenylphenylether	377	U
86-73-7	fluorene	377	U
100-01-6	4-nitroaniline	377	U
534-52-1	4,6-dinitro-2-methylphenol	377	U
86-30-6	N-nitroso-diphenylamine	377	U
101-55-3	4-bromophenylphenylether	377	U
85-01-8	phenanthrene	2620	
120-12-7	anthracene	377	U
84-74-2	di-n-butylphthalate	377	U
206-44-0	fluoranthene	6160	E
129-00-0	pyrene	7650	E
85-68-7	butylbenzylphthalate	377	U
91-94-1	3,3'-dichlorobenzidine	1890	U
56-55-3	benzo(a)anthracene	4780	E
218-01-9	chrysene	6700	E
117-81-7	bis(2-ethylhexyl)phthalate	377	U
117-84-0	di-n-octylphthalate	377	U
205-99-2	benzo(b)fluoranthene	7170	E
207-08-9	benzo(k)fluoranthene	377	U
50-32-8	benzo(a)pyrene	2310	
193-39-5	indeno(1,2,3-cd)pyrene	1580	
53-70-3	dibenz(a,h)anthracene	573	
191-24-2	benzo(g,h,i)perylene	1880	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1RA0

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E518

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted:01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	377	U
123-91-1	1,4-dioxane	377	U
80-62-6	methyl methacrylate	377	U
97-63-2	ethyl methacrylate	377	U
109-06-8	2-picoline	377	U
10595-95-6	n-nitrosomethylethylamine	377	U
66-27-3	methyl methanesulfonate	377	U
55-18-5	n-nitrosodiethylamine	377	U
62-50-0	ethyl methanesulfonate	377	U
76-01-7	pentachloroethane	377	U
930-55-2	n-nitrosopyrrolidine	377	U
59-89-2	n-nitrosomorpholine	377	U
95-53-4	o-toluidine	377	U
100-75-4	n-nitrosopiperdine	377	U
122-09-8	a,a-dimethylphenethylamine	377	U
126-68-1	triethylphosphorothioate	377	U
87-65-0	2,6-dichlorophenol	377	U
1888-71-7	hexachloropropene	377	U
106-50-3	p-phenylenediamine	754	U
924-16-3	n-nitroso-di-n-butylamine	377	U
94-59-7	safrole	377	U
634-90-2	1,2,4,5-tetrachlorobenzene	377	U
120-58-1	isosafrole	377	U
130-15-4	1,4-naphthoquinone	377	U
99-65-0	m-dinitrobenzene	377	U
608-93-5	pentachlorobenzene	377	U
134-32-7	1-naphthylamine	377	U
91-59-8	2-naphthylamine	377	U
58-90-2	2,3,4,6-tetrachlorophenol	377	U
99-55-8	5-nitro-o-toluidine	377	U
297-97-2	thionazine	377	U
122-39-4	diphenylamine	377	U
3689-24-5	sulfotepp	377	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS-1RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1E518

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1890 ~~377~~	U
62-44-2	phenacetin	377	U
2303-16-4	diallate	377	U
60-51-5	dimethoate	1890 ~~377~~	U
92-67-1	4-aminobiphenyl	377	U
82-68-8	pentachloronitrobenzene	377	U
23950-58-5	pronamide	377	U
88-85-7	dinoseb	377	U
298-04-4	disulfoton	377	U
56-57-5	4-nitroquinoline-1-oxide	377	U
135-23-9	methapyrilene	1890 ~~377~~	U
465-73-6	isodrin	377	U
140-57-8	aramite	377	U
143-50-0	kepone	377	U
60-11-7	p-(dimethylamino)azobenzene	377	U
510-15-6	chlorobenzilate	1890 ~~377~~	U
119-93-7	3,3'-dimethylbenzidine	1890 ~~377~~	U
52-85-7	famphur	377	U
53-96-3	2-acetylaminofluorene	377	U
57-97-6	7,12-dimethylbenz(a)anthracene	377	U
59-49-5	3-methylcholanthrene	377	U

GMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E212

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	424	U
95-48-7	2-methylphenol	424	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	424	U
67-72-1	hexachloroethane	424	U
98-95-3	nitrobenzene	424	U
87-68-3	hexachlorobutadiene	424	U
88-06-2	2,4,6-trichlorophenol	424	U
95-95-4	2,4,5-trichlorophenol	424	U
121-14-2	2,4-dinitrotoluene	424	U
118-74-1	hexachlorobenzene	424	U
87-86-5	pentachlorophenol	424	U
62-53-3	aniline	424	U
108-95-2	phenol	424	U
111-44-4	bis(2-chloroethyl)ether	424	U
95-57-8	2-chlorophenol	424	U
541-73-1	1,3-dichlorobenzene	424	U
106-46-7	1,4-dichlorobenzene	424	U
100-51-6	benzyl alcohol	424	U
95-50-1	1,2-dichlorobenzene	424	U
98-86-2	acetophenone	424	U
621-64-7	N-nitroso-di-n-propylamine	424	U
78-59-1	isophorone	424	U
88-75-5	2-nitrophenol	424	U
105-67-9	2,4-dimethylphenol	424	U
111-91-1	bis(2-chloroethoxy)methane	424	U
120-83-2	2,4-dichlorophenol	424	U
120-82-1	1,2,4-trichlorobenzene	424	U
91-20-3	naphthalene	424	U
106-47-8	4-chloroaniline	424	U
59-50-7	4-chloro-3-methylphenol	424	U
91-57-6	2-methylnaphthalene	424	U
77-47-4	hexachlorocyclopentadiene	424	U
91-58-7	2-chloronaphthalene	424	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E212

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	424	U
131-11-3	dimethylphthalate	424	U
209-96-8	acenaphthylene	424	U
606-20-2	2,6-dinitrotoluene	424	U
99-09-2	3-nitroaniline	424	U
83-32-9	acenaphthene	424	U
51-28-5	2,4-dinitrophenol	848	U
132-64-9	dibenzofuran	424	U
100-02-7	4-nitrophenol	424	U
84-66-2	diethylphthalate	424	U
7005-72-3	4-chlorophenylphenylether	424	U
86-73-7	fluorene	424	U
100-01-6	4-nitroaniline	424	U
534-52-1	4,6-dinitro-2-methylphenol	424	U
86-30-6	N-nitroso-diphenylamine	424	U
101-55-3	4-bromophenylphenylether	424	U
85-01-8	phenanthrene	424	U
120-12-7	anthracene	424	U
84-74-2	di-n-butylphthalate	424	U
206-44-0	fluoranthene	424	U
129-00-0	pyrene	424	U
85-68-7	butylbenzylphthalate	424	U
91-94-1	3,3'-dichlorobenzidine	2120	U
56-55-3	benzo(a)anthracene	424	U
218-01-9	chrysene	424	U
117-81-7	bis(2-ethylhexyl)phthalate	424	U
117-84-0	di-n-octylphthalate	424	U
205-99-2	benzo(b)fluoranthene	424	U
207-08-9	benzo(k)fluoranthene	424	U
50-32-8	benzo(a)pyrene	424	U
193-39-5	indeno(1,2,3-cd)pyrene	424	U
53-70-3	dibenz(a,h)anthracene	424	U
191-24-2	benzo(g,h,i)perylene	424	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E212

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	424	U
123-91-1	1,4-dioxane	424	U
80-62-6	methyl methacrylate	424	U
97-63-2	ethyl methacrylate	424	U
109-06-8	2-picoline	424	U
10595-95-6	n-nitrosomethylethylamine	424	U
66-27-3	methyl methanesulfonate	424	U
55-18-5	n-nitrosodiethylamine	424	U
62-50-0	ethyl methanesulfonate	424	U
76-01-7	pentachloroethane	424	U
930-55-2	n-nitrosopyrrolidine	424	U
59-89-2	n-nitrosomorpholine	424	U
95-53-4	o-toluidine	424	U
100-75-4	n-nitrosopiperdine	424	U
122-09-8	a,a-dimethylphenethylamine	424	U
126-68-1	triethylphosphorothioate	424	U
87-65-0	2,6-dichlorophenol	424	U
1888-71-7	hexachloropropene	424	U
106-50-3	p-phenylenediamine	848	U
924-16-3	n-nitroso-di-n-butylamine	424	U
94-59-7	safrole	424	U
634-90-2	1,2,4,5-tetrachlorobenzene	424	U
120-58-1	isosafrole	424	U
130-15-4	1,4-naphthoquinone	424	U
99-65-0	m-dinitrobenzene	424	U
608-93-5	pentachlorobenzene	424	U
134-32-7	1-naphthylamine	424	U
91-59-8	2-naphthylamine	424	U
58-90-2	2,3,4,6-tetrachlorophenol	424	U
99-55-8	5-nitro-o-toluidine	424	U
297-97-2	thionazine	424	U
122-39-4	diphenylamine	424	U
3689-24-5	sulfotepp	424	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E212

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2120 ~~424~~	U
62-44-2	phenacetin	424	U
2303-16-4	diallate	424	U
60-51-5	dimethoate	2120 ~~424~~	U
92-67-1	4-aminobiphenyl	424	U
82-68-8	pentachloronitrobenzene	424	U
23950-58-5	pronamide	424	U
88-85-7	dinoseb	848	U
298-04-4	disulfoton	424	U
56-57-5	4-nitroquinoline-1-oxide	848	U
135-23-9	methapyrilene	2120 ~~424~~	U
465-73-6	isodrin	424	U
140-57-8	aramite	848	U
143-50-0	kepone	424	U
60-11-7	p-(dimethylamino)azobenzene	424	U
510-15-6	chlorobenzilate	2120 ~~424~~	U
119-93-7	3,3'-dimethylbenzidine	2120	U
52-85-7	famphur	424	U
53-96-3	2-acetylaminofluorene	424	U
57-97-6	7,12-dimethylbenz(a)anthracene	424	U
59-49-5	3-methylcholanthrene	424	U

JMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E214

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	390	U
95-48-7	2-methylphenol	390	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	390	U
67-72-1	hexachloroethane	390	U
98-95-3	nitrobenzene	390	U
87-68-3	hexachlorobutadiene	390	U
88-06-2	2,4,6-trichlorophenol	390	U
95-95-4	2,4,5-trichlorophenol	390	U
121-14-2	2,4-dinitrotoluene	390	U
118-74-1	hexachlorobenzene	390	U
87-86-5	pentachlorophenol	390	U
62-53-3	aniline	390	U
108-95-2	phenol	390	U
111-44-4	bis(2-chloroethyl)ether	390	U
95-57-8	2-chlorophenol	390	U
541-73-1	1,3-dichlorobenzene	390	U
106-46-7	1,4-dichlorobenzene	390	U
100-51-6	benzyl alcohol	390	U
95-50-1	1,2-dichlorobenzene	390	U
98-86-2	acetophenone	390	U
621-64-7	N-nitroso-di-n-propylamine	390	U
78-59-1	isophorone	390	U
88-75-5	2-nitrophenol	390	U
105-67-9	2,4-dimethylphenol	390	U
111-91-1	bis(2-chloroethoxy)methane	390	U
120-83-2	2,4-dichlorophenol	390	U
120-82-1	1,2,4-trichlorobenzene	390	U
91-20-3	naphthalene	390	U
106-47-8	4-chloroaniline	390	U
59-50-7	4-chloro-3-methylphenol	390	U
91-57-6	2-methylnaphthalene	390	U
77-47-4	hexachlorocyclopentadiene	390	U
91-58-7	2-chloronaphthalene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E214

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	390	U
131-11-3	dimethylphthalate	390	U
209-96-8	acenaphthylene	390	U
606-20-2	2,6-dinitrotoluene	390	U
99-09-2	3-nitroaniline	390	U
83-32-9	acenaphthene	390	U
51-28-5	2,4-dinitrophenol	781	U
132-64-9	dibenzofuran	390	U
100-02-7	4-nitrophenol	390	U
84-66-2	diethylphthalate	390	U
7005-72-3	4-chlorophenylphenylether	390	U
86-73-7	fluorene	390	U
100-01-6	4-nitroaniline	390	U
534-52-1	4,6-dinitro-2-methylphenol	390	U
86-30-6	N-nitroso-diphenylamine	390	U
101-55-3	4-bromophenylphenylether	390	U
85-01-8	phenanthrene	2890	
120-12-7	anthracene	325	
84-74-2	di-n-butylphthalate	390	U
206-44-0	fluoranthene	4770	E
129-00-0	pyrene	4680	E
85-68-7	butylbenzylphthalate	390	U
91-94-1	3,3'-dichlorobenzidine	1950	U
56-55-3	benzo(a)anthracene	2190	
218-01-9	chrysene	3640	
117-81-7	bis(2-ethylhexyl)phthalate	390	U
117-84-0	di-n-octylphthalate	390	U
205-99-2	benzo(b)fluoranthene	6190	E
207-08-9	benzo(k)fluoranthene	390	U
50-32-8	benzo(a)pyrene	2060	
193-39-5	indeno(1,2,3-cd)pyrene	1590	
53-70-3	dibenz(a,h)anthracene	636	
191-24-2	benzo(g,h,i)perylene	2000	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E214

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	390	U
123-91-1	1,4-dioxane	390	U
80-62-6	methyl methacrylate	390	U
97-63-2	ethyl methacrylate	390	U
109-06-8	2-picoline	390	U
10595-95-6	n-nitrosomethylethylamine	390	U
66-27-3	methyl methanesulfonate	390	U
55-18-5	n-nitrosodiethylamine	390	U
62-50-0	ethyl methanesulfonate	390	U
76-01-7	pentachloroethane	390	U
930-55-2	n-nitrosopyrrolidine	390	U
59-89-2	n-nitrosomorpholine	390	U
95-53-4	o-toluidine	390	U
100-75-4	n-nitrosopiperdine	390	U
122-09-8	a,a-dimethylphenethylamine	390	U
126-68-1	triethylphosphorothioate	390	U
87-65-0	2,6-dichlorophenol	390	U
1888-71-7	hexachloropropene	390	U
106-50-3	p-phenylenediamine	781	U
924-16-3	n-nitroso-di-n-butylamine	390	U
94-59-7	safrole	390	U
634-90-2	1,2,4,5-tetrachlorobenzene	390	U
120-58-1	isosafrole	390	U
130-15-4	1,4-naphthoquinone	390	U
99-65-0	m-dinitrobenzene	390	U
608-93-5	pentachlorobenzene	390	U
134-32-7	1-naphthylamine	390	U
91-59-8	2-naphthylamine	390	U
58-90-2	2,3,4,6-tetrachlorophenol	390	U
99-55-8	5-nitro-o-toluidine	390	U
297-97-2	thionazine	390	U
122-39-4	diphenylamine	390	U
3689-24-5	sulfotepp	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E214

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1950 ~~390~~	U
62-44-2	phenacetin	390	U
2303-16-4	diallate	390	U
60-51-5	dimethoate	1950 ~~390~~	U
92-67-1	4-aminobiphenyl	390	U
82-68-8	pentachloronitrobenzene	390	U
23950-58-5	pronamide	390	U
88-85-7	dinoseb	781	U
298-04-4	disulfoton	390	U
56-57-5	4-nitroquinoline-1-oxide	781	U
135-23-9	methapyrilene	1950 ~~390~~	U
465-73-6	isodrin	390	U
140-57-8	aramite	781	U
143-50-0	kepone	390	U
60-11-7	p-(dimethylamino)azobenzene	390	U
510-15-6	chlorobenzilate	1950 ~~390~~	U
119-93-7	3,3'-dimethylbenzidine	1950	U
52-85-7	famphur	390	U
53-96-3	2-acetylaminofluorene	390	U
57-97-6	7,12-dimethylbenz(a)anthracene	390	U
59-49-5	3-methylcholanthrene	390	U

Glw 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1E517

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1560	U
95-48-7	2-methylphenol	1560	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1560	U
67-72-1	hexachloroethane	1560	U
98-95-3	nitrobenzene	1560	U
87-68-3	hexachlorobutadiene	1560	U
88-06-2	2,4,6-trichlorophenol	1560	U
95-95-4	2,4,5-trichlorophenol	1560	U
121-14-2	2,4-dinitrotoluene	1560	U
118-74-1	hexachlorobenzene	1560	U
87-86-5	pentachlorophenol	1560	U
62-53-3	aniline	1560	U
108-95-2	phenol	1560	U
111-44-4	bis(2-chloroethyl)ether	1560	U
95-57-8	2-chlorophenol	1560	U
541-73-1	1,3-dichlorobenzene	1560	U
106-47-7	1,4-dichlorobenzene	1560	U
100-51-6	benzyl alcohol	1560	U
95-50-1	1,2-dichlorobenzene	1560	U
98-86-2	acetophenone	1560	U
621-64-7	N-nitroso-di-n-propylamine	1560	U
78-59-1	isophorone	1560	U
88-75-5	2-nitrophenol	1560	U
105-67-9	2,4-dimethylphenol	1560	U
111-91-1	bis(2-chloroethoxy)methane	1560	U
120-83-2	2,4-dichlorophenol	1560	U
120-82-1	1,2,4-trichlorobenzene	1560	U
91-20-3	naphthalene	1560	U
106-47-8	4-chloroaniline	1560	U
59-50-7	4-chloro-3-methylphenol	1560	U
91-57-6	2-methylnaphthalene	1560	U
77-47-4	hexachlorocyclopentadiene	1560	U
91-58-7	2-chloronaphthalene	1560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1E517

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1560	U
131-11-3	dimethylphthalate	1560	U
209-96-8	acenaphthylene	1560	U
606-20-2	2,6-dinitrotoluene	1560	U
99-09-2	3-nitroaniline	1560	U
83-32-9	acenaphthene	1560	U
51-28-5	2,4-dinitrophenol	3120	U
132-64-9	dibenzofuran	1560	U
100-02-7	4-nitrophenol	1560	U
84-66-2	diethylphthalate	1560	U
7005-72-3	4-chlorophenylphenylether	1560	U
86-73-7	fluorene	1560	U
100-01-6	4-nitroaniline	1560	U
534-52-1	4,6-dinitro-2-methylphenol	1560	U
86-30-6	N-nitroso-diphenylamine	1560	U
101-55-3	4-bromophenylphenylether	1560	U
85-01-8	phenanthrene	2330	
120-12-7	anthracene	1560	U
84-74-2	di-n-butylphthalate	1560	U
206-44-0	fluoranthene	6400	
129-00-0	pyrene	5140	
85-68-7	butylbenzylphthalate	1560	U
91-94-1	3,3'-dichlorobenzidine	7810	U
56-55-3	benzo(a)anthracene	2540	
218-01-9	chrysene	3650	
117-81-7	bis(2-ethylhexyl)phthalate	1560	U
117-84-0	di-n-octylphthalate	1560	U
205-99-2	benzo(b)fluoranthene	6080	
207-08-9	benzo(k)fluoranthene	1560	U
50-32-8	benzo(a)pyrene	2180	
193-39-5	indeno(1,2,3-cd)pyrene	1420	
53-70-3	dibenz(a,h)anthracene	1560	U
191-24-2	benzo(g,h,i)perylene	1780	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1E517

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1560	U
123-91-1	1,4-dioxane	1560	U
80-62-6	methyl methacrylate	1560	U
97-63-2	ethyl methacrylate	1560	U
109-06-8	2-picoline	1560	U
10595-95-6	n-nitrosomethylethylamine	1560	U
66-27-3	methyl methanesulfonate	1560	U
55-18-5	n-nitrosodiethylamine	1560	U
62-50-0	ethyl methanesulfonate	1560	U
76-01-7	pentachloroethane	1560	U
930-55-2	n-nitrosopyrrolidine	1560	U
59-89-2	n-nitrosomorpholine	1560	U
95-53-4	o-toluidine	1560	U
100-75-4	n-nitrosopiperdine	1560	U
122-09-8	a,a-dimethylphenethylamine	1560	U
126-68-1	triethylphosphorothioate	1560	U
87-65-0	2,6-dichlorophenol	1560	U
1888-71-7	hexachloropropene	1560	U
106-50-3	p-phenylenediamine	3120	U
924-16-3	n-nitroso-di-n-butylamine	1560	U
94-59-7	safrole	1560	U
634-90-2	1,2,4,5-tetrachlorobenzene	1560	U
120-58-1	isosafrole	1560	U
130-15-4	1,4-naphthoquinone	1560	U
99-65-0	m-dinitrobenzene	1560	U
608-93-5	pentachlorobenzene	1560	U
134-32-7	1-naphthylamine	1560	U
91-59-8	2-naphthylamine	1560	U
58-90-2	2,3,4,6-tetrachlorophenol	1560	U
99-55-8	5-nitro-o-toluidine	1560	U
297-97-2	thionazine	1560	U
122-39-4	diphenylamine	1560	U
3689-24-5	sulfotepp	1560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1E517

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1950 ~~1560~~	U
62-44-2	phenacetin	1560	U
2303-16-4	diallate	1560	U
60-51-5	dimethoate	1950 ~~1560~~	U
92-67-1	4-aminobiphenyl	1560	U
82-68-8	pentachloronitrobenzene	1560	U
23950-58-5	pronamide	1560	U
88-85-7	dinoseb	1560	U
298-04-4	disulfoton	1560	U
56-57-5	4-nitroquinoline-1-oxide	1560	U
135-23-9	methapyrilene	1950 ~~1560~~	U
465-73-6	isodrin	1560	U
140-57-8	aramite	1560	U
143-50-0	kepone	1560	U
60-11-7	p-(dimethylamino)azobenzene	1560	U
510-15-6	chlorobenzilate	1950 ~~1560~~	U
119-93-7	3,3'-dimethylbenzidine	1950 ~~1560~~	U
52-85-7	famphur	1560	U
53-96-3	2-acetylaminofluorene	1560	U
57-97-6	7,12-dimethylbenz(a)anthracene	1560	U
59-49-5	3-methylcholanthrene	1560	U

JAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E213

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	431	U
95-48-7	2-methylphenol	431	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	431	U
67-72-1	hexachloroethane	431	U
98-95-3	nitrobenzene	431	U
87-68-3	hexachlorobutadiene	431	U
88-06-2	2,4,6-trichlorophenol	431	U
95-95-4	2,4,5-trichlorophenol	431	U
121-14-2	2,4-dinitrotoluene	431	U
118-74-1	hexachlorobenzene	431	U
87-86-5	pentachlorophenol	431	U
62-53-3	aniline	431	U
108-95-2	phenol	431	U
111-44-4	bis(2-chloroethyl)ether	431	U
95-57-8	2-chlorophenol	431	U
541-73-1	1,3-dichlorobenzene	431	U
106-46-7	1,4-dichlorobenzene	431	U
100-51-6	benzyl alcohol	431	U
95-50-1	1,2-dichlorobenzene	431	U
98-86-2	acetophenone	431	U
621-64-7	N-nitroso-di-n-propylamine	431	U
78-59-1	isophorone	431	U
88-75-5	2-nitrophenol	431	U
105-67-9	2,4-dimethylphenol	431	U
111-91-1	bis(2-chloroethoxy)methane	431	U
120-83-2	2,4-dichlorophenol	431	U
120-82-1	1,2,4-trichlorobenzene	431	U
91-20-3	naphthalene	431	U
106-47-8	4-chloroaniline	431	U
59-50-7	4-chloro-3-methylphenol	431	U
91-57-6	2-methylnaphthalene	431	U
77-47-4	hexachlorocyclopentadiene	431	U
91-58-7	2-chloronaphthalene	431	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E213

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	431	U
131-11-3	dimethylphthalate	431	U
209-96-8	acenaphthylene	431	U
606-20-2	2,6-dinitrotoluene	431	U
99-09-2	3-nitroaniline	431	U
83-32-9	acenaphthene	431	U
51-28-5	2,4-dinitrophenol	862	U
132-64-9	dibenzofuran	431	U
100-02-7	4-nitrophenol	431	U
84-66-2	diethylphthalate	431	U
7005-72-3	4-chlorophenylphenylether	431	U
86-73-7	fluorene	431	U
100-01-6	4-nitroaniline	431	U
534-52-1	4,6-dinitro-2-methylphenol	431	U
86-30-6	N-nitroso-diphenylamine	431	U
101-55-3	4-bromophenylphenylether	431	U
85-01-8	phenanthrene	431	U
120-12-7	anthracene	431	U
84-74-2	di-n-butylphthalate	431	U
206-44-0	fluoranthene	431	U
129-00-0	pyrene	431	U
85-68-7	butylbenzylphthalate	431	U
91-94-1	3,3'-dichlorobenzidine	2160	U
56-55-3	benzo(a)anthracene	431	U
218-01-9	chrysene	431	U
117-81-7	bis(2-ethylhexyl)phthalate	431	U
117-84-0	di-n-octylphthalate	431	U
205-99-2	benzo(b)fluoranthene	431	U
207-08-9	benzo(k)fluoranthene	431	U
50-32-8	benzo(a)pyrene	431	U
193-39-5	indeno(1,2,3-cd)pyrene	431	U
53-70-3	dibenz(a,h)anthracene	431	U
191-24-2	benzo(g,h,i)perylene	431	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E213

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	431	U
123-91-1	1,4-dioxane	431	U
80-62-6	methyl methacrylate	431	U
97-63-2	ethyl methacrylate	431	U
109-06-8	2-picoline	431	U
10595-95-6	n-nitrosomethylethylamine	431	U
66-27-3	methyl methanesulfonate	431	U
55-18-5	n-nitrosodiethylamine	431	U
62-50-0	ethyl methanesulfonate	431	U
76-01-7	pentachloroethane	431	U
930-55-2	n-nitrosopyrrolidine	431	U
59-89-2	n-nitrosomorpholine	431	U
95-53-4	o-toluidine	431	U
100-75-4	n-nitrosopiperdine	431	U
122-09-8	a,a-dimethylphenethylamine	431	U
126-68-1	triethylphosphorothioate	431	U
87-65-0	2,6-dichlorophenol	431	U
1888-71-7	hexachloropropene	431	U
106-50-3	p-phenylenediamine	862	U
924-16-3	n-nitroso-di-n-butylamine	431	U
94-59-7	safrole	431	U
634-90-2	1,2,4,5-tetrachlorobenzene	431	U
120-58-1	isosafrole	431	U
130-15-4	1,4-naphthoquinone	431	U
99-65-0	m-dinitrobenzene	431	U
608-93-5	pentachlorobenzene	431	U
134-32-7	1-naphthylamine	431	U
91-59-8	2-naphthylamine	431	U
58-90-2	2,3,4,6-tetrachlorophenol	431	U
99-55-8	5-nitro-o-toluidine	431	U
297-97-2	thionazine	431	U
122-39-4	diphenylamine	431	U
3689-24-5	sulfotepp	431	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E213

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2160 ~~431~~	U
62-44-2	phenacetin	431	U
2303-16-4	diallate	431	U
60-51-5	dimethoate	2160 ~~431~~	U
92-67-1	4-aminobiphenyl	431	U
82-68-8	pentachloronitrobenzene	431	U
23950-58-5	pronamide	431	U
88-85-7	dinoseb	862	U
298-04-4	disulfoton	431	U
56-57-5	4-nitroquinoline-1-oxide	862	U
135-23-9	methapyrilene	2160 ~~431~~	U
465-73-6	isodrin	431	U
140-57-8	aramite	862	U
143-50-0	kepone	431	U
60-11-7	p-(dimethylamino)azobenzene	431	U
510-15-6	chlorobenzilate	2160 ~~431~~	U
119-93-7	3,3'-dimethylbenzidine	2160	U
52-85-7	famphur	431	U
53-96-3	2-acetylaminofluorene	431	U
57-97-6	7,12-dimethylbenz(a)anthracene	431	U
59-49-5	3-methylcholanthrene	431	U

DMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-7

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E215

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	410	U
95-48-7	2-methylphenol	410	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	410	U
67-72-1	hexachloroethane	410	U
98-95-3	nitrobenzene	410	U
87-68-3	hexachlorobutadiene	410	U
88-06-2	2,4,6-trichlorophenol	410	U
95-95-4	2,4,5-trichlorophenol	410	U
121-14-2	2,4-dinitrotoluene	410	U
118-74-1	hexachlorobenzene	410	U
87-86-5	pentachlorophenol	410	U
62-53-3	aniline	410	U
108-95-2	phenol	410	U
111-44-4	bis(2-chloroethyl)ether	410	U
95-57-8	2-chlorophenol	410	U
541-73-1	1,3-dichlorobenzene	410	U
106-46-7	1,4-dichlorobenzene	410	U
100-51-6	benzyl alcohol	410	U
95-50-1	1,2-dichlorobenzene	410	U
98-86-2	acetophenone	410	U
621-64-7	N-nitroso-di-n-propylamine	410	U
78-59-1	isophorone	410	U
88-75-5	2-nitrophenol	410	U
105-67-9	2,4-dimethylphenol	410	U
111-91-1	bis(2-chloroethoxy)methane	410	U
120-83-2	2,4-dichlorophenol	410	U
120-82-1	1,2,4-trichlorobenzene	410	U
91-20-3	naphthalene	410	U
106-47-8	4-chloroaniline	410	U
59-50-7	4-chloro-3-methylphenol	410	U
91-57-6	2-methylnaphthalene	410	U
77-47-4	hexachlorocyclopentadiene	410	U
91-58-7	2-chloronaphthalene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-7

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E215

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	410	U
131-11-3	dimethylphthalate	410	U
209-96-8	acenaphthylene	410	U
606-20-2	2,6-dinitrotoluene	410	U
99-09-2	3-nitroaniline	410	U
83-32-9	acenaphthene	410	U
51-28-5	2,4-dinitrophenol	819	U
132-64-9	dibenzofuran	410	U
100-02-7	4-nitrophenol	410	U
84-66-2	diethylphthalate	410	U
7005-72-3	4-chlorophenylphenylether	410	U
86-73-7	fluorene	410	U
100-01-6	4-nitroaniline	410	U
534-52-1	4,6-dinitro-2-methylphenol	410	U
86-30-6	N-nitroso-diphenylamine	410	U
101-55-3	4-bromophenylphenylether	410	U
85-01-8	phenanthrene	410	U
120-12-7	anthracene	410	U
84-74-2	di-n-butylphthalate	410	U
206-44-0	fluoranthene	410	U
129-00-0	pyrene	410	U
85-68-7	butylbenzylphthalate	410	U
91-94-1	3,3'-dichlorobenzidine	2050	U
56-55-3	benzo(a)anthracene	410	U
218-01-9	chrysene	410	U
117-81-7	bis(2-ethylhexyl)phthalate	410	U
117-84-0	di-n-octylphthalate	410	U
205-99-2	benzo(b)fluoranthene	410	U
207-08-9	benzo(k)fluoranthene	410	U
50-32-8	benzo(a)pyrene	410	U
193-39-5	indeno(1,2,3-cd)pyrene	410	U
53-70-3	dibenz(a,h)anthracene	410	U
191-24-2	benzo(g,h,i)perylene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-7

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E215

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	410	U
123-91-1	1,4-dioxane	410	U
80-62-6	methyl methacrylate	410	U
97-63-2	ethyl methacrylate	410	U
109-06-8	2-picoline	410	U
10595-95-6	n-nitrosomethylethylamine	410	U
66-27-3	methyl methanesulfonate	410	U
55-18-5	n-nitrosodiethylamine	410	U
62-50-0	ethyl methanesulfonate	410	U
76-01-7	pentachloroethane	410	U
930-55-2	n-nitrosopyrrolidine	410	U
59-89-2	n-nitrosomorpholine	410	U
95-53-4	o-toluidine	410	U
100-75-4	n-nitrosopiperdine	410	U
122-09-8	a,a-dimethylphenethylamine	410	U
126-68-1	triethylphosphorothioate	410	U
87-65-0	2,6-dichlorophenol	410	U
1888-71-7	hexachloropropene	410	U
106-50-3	p-phenylenediamine	819	U
924-16-3	n-nitroso-di-n-butylamine	410	U
94-59-7	safrole	410	U
634-90-2	1,2,4,5-tetrachlorobenzene	410	U
120-58-1	isosafrole	410	U
130-15-4	1,4-naphthoquinone	410	U
99-65-0	m-dinitrobenzene	410	U
608-93-5	pentachlorobenzene	410	U
134-32-7	1-naphthylamine	410	U
91-59-8	2-naphthylamine	410	U
58-90-2	2,3,4,6-tetrachlorophenol	410	U
99-55-8	5-nitro-o-toluidine	410	U
297-97-2	thionazine	410	U
122-39-4	diphenylamine	410	U
3689-24-5	sulfotepp	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS-7

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4E215

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2050 ~~410~~	U
62-44-2	phenacetin	410	U
2303-16-4	diallate	410	U
60-51-5	dimethoate	2050 ~~410~~	U
92-67-1	4-aminobiphenyl	410	U
82-68-8	pentachloronitrobenzene	410	U
23950-58-5	pronamide	410	U
88-85-7	dinoseb	819	U
298-04-4	disulfoton	410	U
56-57-5	4-nitroquinoline-1-oxide	819	U
135-23-9	methapyrilene	2050 ~~410~~	U
465-73-6	isodrin	410	U
140-57-8	aramite	819	U
143-50-0	kepone	410	U
60-11-7	p-(dimethylamino)azobenzene	410	U
510-15-6	chlorobenzilate	2050 ~~410~~	U
119-93-7	3,3'-dimethylbenzidine	2050	U
52-85-7	famphur	410	U
53-96-3	2-acetylaminofluorene	410	U
57-97-6	7,12-dimethylbenz(a)anthracene	410	U
59-49-5	3-methylcholanthrene	410	U

MAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1E524

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
110-86-1	pyridine	404	U
95-48-7	2-methylphenol	404	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	404	U
67-72-1	hexachloroethane	404	U
98-95-3	nitrobenzene	404	U
87-68-3	hexachlorobutadiene	404	U
88-06-2	2,4,6-trichlorophenol	404	U
95-95-4	2,4,5-trichlorophenol	404	U
121-14-2	2,4-dinitrotoluene	404	U
118-74-1	hexachlorobenzene	404	U
87-86-5	pentachlorophenol	404	U
62-53-3	aniline	404	U
108-95-2	phenol	404	U
111-44-4	bis(2-chloroethyl)ether	404	U
95-57-8	2-chlorophenol	404	U
541-73-1	1,3-dichlorobenzene	404	U
106-46-7	1,4-dichlorobenzene	404	U
100-51-6	benzyl alcohol	404	U
95-50-1	1,2-dichlorobenzene	404	U
98-86-2	acetophenone	404	U
621-64-7	N-nitroso-di-n-propylamine	404	U
78-59-1	isophorone	404	U
88-75-5	2-nitrophenol	404	U
105-67-9	2,4-dimethylphenol	404	U
111-91-1	bis(2-chloroethoxy)methane	404	U
120-83-2	2,4-dichlorophenol	404	U
120-82-1	1,2,4-trichlorobenzene	404	U
91-20-3	naphthalene	404	U
106-47-8	4-chloroaniline	404	U
59-50-7	4-chloro-3-methylphenol	404	U
91-57-6	2-methylnaphthalene	1560	
77-47-4	hexachlorocyclopentadiene	404	U
91-58-7	2-chloronaphthalene	404	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1E524

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
88-74-4	2-nitroaniline	404	U
131-11-3	dimethylphthalate	404	U
209-96-8	acenaphthylene	404	U
606-20-2	2,6-dinitrotoluene	404	U
99-09-2	3-nitroaniline	404	U
83-32-9	acenaphthene	404	U
51-28-5	2,4-dinitrophenol	808	U
132-64-9	dibenzofuran	404	U
100-02-7	4-nitrophenol	404	U
84-66-2	diethylphthalate	404	U
7005-72-3	4-chlorophenylphenylether	404	U
86-73-7	fluorene	404	U
100-01-6	4-nitroaniline	404	U
534-52-1	4,6-dinitro-2-methylphenol	404	U
86-30-6	N-nitroso-diphenylamine	404	U
101-55-3	4-bromophenylphenylether	404	U
85-01-8	phenanthrene	404	U
120-12-7	anthracene	404	U
84-74-2	di-n-butylphthalate	404	U
206-44-0	fluoranthene	404	U
129-00-0	pyrene	404	U
85-68-7	butylbenzylphthalate	404	U
91-94-1	3,3'-dichlorobenzidine	2020	U
56-55-3	benzo(a)anthracene	404	U
218-01-9	chrysene	404	U
117-81-7	bis(2-ethylhexyl)phthalate	404	U
117-84-0	di-n-octylphthalate	404	U
205-99-2	benzo(b)fluoranthene	404	U
207-08-9	benzo(k)fluoranthene	404	U
50-32-8	benzo(a)pyrene	404	U
193-39-5	indeno(1,2,3-cd)pyrene	404	U
53-70-3	dibenz(a,h)anthracene	404	U
191-24-2	benzo(g,h,i)perylene	404	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1E524

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
62-75-9	N-methyl-N-nitrosomethylamine	404	U
123-91-1	1,4-dioxane	404	U
80-62-6	methyl methacrylate	404	U
97-63-2	ethyl methacrylate	404	U
109-06-8	2-picoline	404	U
10595-95-6	n-nitrosomethylethylamine	404	U
66-27-3	methyl methanesulfonate	404	U
55-18-5	n-nitrosodiethylamine	404	U
62-50-0	ethyl methanesulfonate	404	U
76-01-7	pentachloroethane	404	U
930-55-2	n-nitrosopyrrolidine	404	U
59-89-2	n-nitrosomorpholine	404	U
95-53-4	o-toluidine	404	U
100-75-4	n-nitrosopiperdine	404	U
122-09-8	a,a-dimethylphenethylamine	404	U
126-68-1	triethylphosphorothioate	404	U
87-65-0	2,6-dichlorophenol	404	U
1888-71-7	hexachloropropene	404	U
106-50-3	p-phenylenediamine	808	U
924-16-3	n-nitroso-di-n-butylamine	404	U
94-59-7	safrole	404	U
634-90-2	1,2,4,5-tetrachlorobenzene	404	U
120-58-1	isosafrole	404	U
130-15-4	1,4-naphthoquinone	404	U
99-65-0	m-dinitrobenzene	404	U
608-93-5	pentachlorobenzene	404	U
134-32-7	1-naphthylamine	404	U
91-59-8	2-naphthylamine	404	U
58-90-2	2,3,4,6-tetrachlorophenol	404	U
99-55-8	5-nitro-o-toluidine	404	U
297-97-2	thionazine	404	U
122-39-4	diphenylamine	404	U
3689-24-5	sulfotepp	404	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1E524

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
99-35-4	1,3,5-trinitrobenzene	2020 ~~404~~	U
62-44-2	phenacetin	404	U
2303-16-4	diallate	404	U
60-51-5	dimethoate	2020 ~~404~~	U
92-67-1	4-aminobiphenyl	404	U
82-68-8	pentachloronitrobenzene	404	U
23950-58-5	pronamide	404	U
88-85-7	dinoseb	404	U
298-04-4	disulfoton	404	U
56-57-5	4-nitroquinoline-1-oxide	404	U
135-23-9	methapyrilene	2020 ~~404~~	U
465-73-6	isodrin	404	U
140-57-8	aramite	404	U
143-50-0	kepone	404	U
60-11-7	p-(dimethylamino)azobenzene	404	U
510-15-6	chlorobenzilate	2020 ~~404~~	U
119-93-7	3,3'-dimethylbenzidine	2020 ~~404~~	U
52-85-7	famphur	404	U
53-96-3	2-acetylaminofluorene	404	U
57-97-6	7,12-dimethylbenz(a)anthracene	404	U
59-49-5	3-methylcholanthrene	404	U

JAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E222

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	441	U
95-48-7	2-methylphenol	441	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	441	U
67-72-1	hexachloroethane	441	U
98-95-3	nitrobenzene	441	U
87-68-3	hexachlorobutadiene	441	U
88-06-2	2,4,6-trichlorophenol	441	U
95-95-4	2,4,5-trichlorophenol	441	U
121-14-2	2,4-dinitrotoluene	441	U
118-74-1	hexachlorobenzene	441	U
87-86-5	pentachlorophenol	441	U
62-53-3	aniline	441	U
108-95-2	phenol	441	U
111-44-4	bis(2-chloroethyl)ether	441	U
95-57-8	2-chlorophenol	441	U
541-73-1	1,3-dichlorobenzene	441	U
106-46-7	1,4-dichlorobenzene	441	U
100-51-6	benzyl alcohol	441	U
95-50-1	1,2-dichlorobenzene	441	U
98-86-2	acetophenone	441	U
621-64-7	N-nitroso-di-n-propylamine	441	U
78-59-1	isophorone	441	U
88-75-5	2-nitrophenol	441	U
105-67-9	2,4-dimethylphenol	441	U
111-91-1	bis(2-chloroethoxy)methane	441	U
120-83-2	2,4-dichlorophenol	441	U
120-82-1	1,2,4-trichlorobenzene	441	U
91-20-3	naphthalene	441	U
106-47-8	4-chloroaniline	441	U
59-50-7	4-chloro-3-methylphenol	441	U
91-57-6	2-methylnaphthalene	441	U
77-47-4	hexachlorocyclopentadiene	441	U
91-58-7	2-chloronaphthalene	441	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E222

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	441	U
131-11-3	dimethylphthalate	441	U
209-96-8	acenaphthylene	441	U
606-20-2	2,6-dinitrotoluene	441	U
99-09-2	3-nitroaniline	441	U
83-32-9	acenaphthene	441	U
51-28-5	2,4-dinitrophenol	881	U
132-64-9	dibenzofuran	441	U
100-02-7	4-nitrophenol	441	U
84-66-2	diethylphthalate	441	U
7005-72-3	4-chlorophenylphenylether	441	U
86-73-7	fluorene	441	U
100-01-6	4-nitroaniline	441	U
534-52-1	4,6-dinitro-2-methylphenol	441	U
86-30-6	N-nitroso-diphenylamine	441	U
101-55-3	4-bromophenylphenylether	441	U
85-01-8	phenanthrene	441	U
120-12-7	anthracene	441	U
84-74-2	di-n-butylphthalate	441	U
206-44-0	fluoranthene	441	U
129-00-0	pyrene	441	U
85-68-7	butylbenzylphthalate	441	U
91-94-1	3,3'-dichlorobenzidine	2200	U
56-55-3	benzo(a)anthracene	441	U
218-01-9	chrysene	441	U
117-81-7	bis(2-ethylhexyl)phthalate	441	U
117-84-0	di-n-octylphthalate	441	U
205-99-2	benzo(b)fluoranthene	441	U
207-08-9	benzo(k)fluoranthene	441	U
50-32-8	benzo(a)pyrene	441	U
193-39-5	indeno(1,2,3-cd)pyrene	441	U
53-70-3	dibenz(a,h)anthracene	441	U
191-24-2	benzo(g,h,i)perylene	441	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS-1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E222

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	441	U
123-91-1	1,4-dioxane	441	U
80-62-6	methyl methacrylate	441	U
97-63-2	ethyl methacrylate	441	U
109-06-8	2-picoline	441	U
10595-95-6	n-nitrosomethylethylamine	441	U
66-27-3	methyl methanesulfonate	441	U
55-18-5	n-nitrosodiethylamine	441	U
62-50-0	ethyl methanesulfonate	441	U
76-01-7	pentachloroethane	441	U
930-55-2	n-nitrosopyrrolidine	441	U
59-89-2	n-nitrosomorpholine	441	U
95-53-4	o-toluidine	441	U
100-75-4	n-nitrosopiperdine	441	U
122-09-8	a,a-dimethylphenethylamine	441	U
126-68-1	triethylphosphorothioate	441	U
87-65-0	2,6-dichlorophenol	441	U
1888-71-7	hexachloropropene	441	U
106-50-3	p-phenylenediamine	881	U
924-16-3	n-nitroso-di-n-butylamine	441	U
94-59-7	safrole	441	U
634-90-2	1,2,4,5-tetrachlorobenzene	441	U
120-58-1	isosafrole	441	U
130-15-4	1,4-naphthoquinone	441	U
99-65-0	m-dinitrobenzene	441	U
608-93-5	pentachlorobenzene	441	U
134-32-7	1-naphthylamine	441	U
91-59-8	2-naphthylamine	441	U
58-90-2	2,3,4,6-tetrachlorophenol	441	U
99-55-8	5-nitro-o-toluidine	441	U
297-97-2	thionazine	441	U
122-39-4	diphenylamine	441	U
3689-24-5	sulfotepp	441	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E222

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2200 ~~441~~	U
62-44-2	phenacetin	441	U
2303-16-4	diallate	441	U
60-51-5	dimethoate	2200 ~~441~~	U
92-67-1	4-aminobiphenyl	441	U
82-68-8	pentachloronitrobenzene	441	U
23950-58-5	pronamide	441	U
88-85-7	dinoseb	881	U
298-04-4	disulfoton	441	U
56-57-5	4-nitroquinoline-1-oxide	881	U
135-23-9	methapyrilene	2200 ~~441~~	U
465-73-6	isodrin	441	U
140-57-8	aramite	881	U
143-50-0	kepone	441	U
60-11-7	p-(dimethylamino)azobenzene	441	U
510-15-6	chlorobenzilate	2200 ~~441~~	U
119-93-7	3,3'-dimethylbenzidine	2200	U
52-85-7	famphur	441	U
53-96-3	2-acetylaminofluorene	441	U
57-97-6	7,12-dimethylbenz(a)anthracene	441	U
59-49-5	3-methylcholanthrene	441	U

DMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1F116

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	402	U
95-48-7	2-methylphenol	402	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	402	U
67-72-1	hexachloroethane	402	U
98-95-3	nitrobenzene	402	U
87-68-3	hexachlorobutadiene	402	U
88-06-2	2,4,6-trichlorophenol	402	U
95-95-4	2,4,5-trichlorophenol	402	U
121-14-2	2,4-dinitrotoluene	402	U
118-74-1	hexachlorobenzene	402	U
87-86-5	pentachlorophenol	402	U
62-53-3	aniline	402	U
108-95-2	phenol	402	U
111-44-4	bis(2-chloroethyl)ether	402	U
95-57-8	2-chlorophenol	402	U
541-73-1	1,3-dichlorobenzene	402	U
106-46-7	1,4-dichlorobenzene	402	U
100-51-6	benzyl alcohol	402	U
95-50-1	1,2-dichlorobenzene	402	U
98-86-2	acetophenone	402	U
621-64-7	N-nitroso-di-n-propylamine	402	U
78-59-1	isophorone	402	U
88-75-5	2-nitrophenol	402	U
105-67-9	2,4-dimethylphenol	402	U
111-91-1	bis(2-chloroethoxy)methane	402	U
120-83-2	2,4-dichlorophenol	402	U
120-82-1	1,2,4-trichlorobenzene	402	U
91-20-3	naphthalene	960	
106-47-8	4-chloroaniline	402	U
59-50-7	4-chloro-3-methylphenol	402	U
91-57-6	2-methylnaphthalene	2570	
77-47-4	hexachlorocyclopentadiene	402	U
91-58-7	2-chloronaphthalene	402	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1F116

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	402	U
131-11-3	dimethylphthalate	402	U
209-96-8	acenaphthylene	402	U
606-20-2	2,6-dinitrotoluene	402	U
99-09-2	3-nitroaniline	402	U
83-32-9	acenaphthene	402	U
51-28-5	2,4-dinitrophenol	805	U
132-64-9	dibenzofuran	402	U
100-02-7	4-nitrophenol	402	U
84-66-2	diethylphthalate	402	U
7005-72-3	4-chlorophenylphenylether	402	U
86-73-7	fluorene	402	U
100-01-6	4-nitroaniline	402	U
534-52-1	4,6-dinitro-2-methylphenol	402	U
86-30-6	N-nitroso-diphenylamine	402	U
101-55-3	4-bromophenylphenylether	402	U
85-01-8	phenanthrene	402	U
120-12-7	anthracene	402	U
84-74-2	di-n-butylphthalate	402	U
206-44-0	fluoranthene	402	U
129-00-0	pyrene	402	U
85-68-7	butylbenzylphthalate	402	U
91-94-1	3,3'-dichlorobenzidine	2010	U
56-55-3	benzo(a)anthracene	402	U
218-01-9	chrysene	402	U
117-81-7	bis(2-ethylhexyl)phthalate	402	U
117-84-0	di-n-octylphthalate	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1F116

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	402	U
123-91-1	1,4-dioxane	402	U
80-62-6	methyl methacrylate	402	U
97-63-2	ethyl methacrylate	402	U
109-06-8	2-picoline	402	U
10595-95-6	n-nitrosomethylethylamine	402	U
66-27-3	methyl methanesulfonate	402	U
55-18-5	n-nitrosodiethylamine	402	U
62-50-0	ethyl methanesulfonate	402	U
76-01-7	pentachloroethane	402	U
930-55-2	n-nitrosopyrrolidine	402	U
59-89-2	n-nitrosomorpholine	402	U
95-53-4	o-toluidine	402	U
100-75-4	n-nitrosopiperdine	402	U
122-09-8	a,a-dimethylphenethylamine	402	U
126-68-1	triethylphosphorothioate	402	U
87-65-0	2,6-dichlorophenol	402	U
1888-71-7	hexachloropropene	402	U
106-50-3	p-phenylenediamine	805	U
924-16-3	n-nitroso-di-n-butylamine	402	U
94-59-7	safrole	402	U
634-90-2	1,2,4,5-tetrachlorobenzene	402	U
120-58-1	isosafrole	402	U
130-15-4	1,4-naphthoquinone	402	U
99-65-0	m-dinitrobenzene	402	U
608-93-5	pentachlorobenzene	402	U
134-32-7	1-naphthylamine	402	U
91-59-8	2-naphthylamine	402	U
58-90-2	2,3,4,6-tetrachlorophenol	402	U
99-55-8	5-nitro-o-toluidine	402	U
297-97-2	thionazine	402	U
122-39-4	diphenylamine	402	U
3689-24-5	sulfotepp	402	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9[illegible]B-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1F116

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1830 ~~402~~	U
62-44-2	phenacetin	402	U
2303-16-4	diallate	402	U
60-51-5	dimethoate	1830 ~~402~~	U
92-67-1	4-aminobiphenyl	402	U
82-68-8	pentachloronitrobenzene	402	U
23950-58-5	pronamide	402	U
88-85-7	dinoseb	402	U
298-04-4	disulfoton	402	U
56-57-5	4-nitroquinoline-1-oxide	402	U
135-23-9	methapyrilene	1830 ~~402~~	U
465-73-6	isodrin	402	U
140-57-8	aramite	402	U
143-50-0	kepone	402	U
60-11-7	p-(dimethylamino)azobenzene	402	U
510-15-6	chlorobenzilate	1830 ~~402~~	U
119-93-7	3,3'-dimethylbenzidine	1830 ~~402~~	U
52-85-7	famphur	402	U
53-96-3	2-acetylaminofluorene	402	U
57-97-6	7,12-dimethylbenz(a)anthracene	402	U
59-49-5	3-methylcholanthrene	402	U

DAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1F117

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	408	U
95-48-7	2-methylphenol	408	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	408	U
67-72-1	hexachloroethane	408	U
98-95-3	nitrobenzene	408	U
87-68-3	hexachlorobutadiene	408	U
88-06-2	2,4,6-trichlorophenol	408	U
95-95-4	2,4,5-trichlorophenol	408	U
121-14-2	2,4-dinitrotoluene	408	U
118-74-1	hexachlorobenzene	408	U
87-86-5	pentachlorophenol	408	U
62-53-3	aniline	408	U
108-95-2	phenol	408	U
111-44-4	bis(2-chloroethyl)ether	408	U
95-57-8	2-chlorophenol	408	U
541-73-1	1,3-dichlorobenzene	408	U
106-46-7	1,4-dichlorobenzene	408	U
100-51-6	benzyl alcohol	408	U
95-50-1	1,2-dichlorobenzene	408	U
98-86-2	acetophenone	408	U
621-64-7	N-nitroso-di-n-propylamine	408	U
78-59-1	isophorone	408	U
88-75-5	2-nitrophenol	408	U
105-67-9	2,4-dimethylphenol	408	U
111-91-1	bis(2-chloroethoxy)methane	408	U
120-83-2	2,4-dichlorophenol	408	U
120-82-1	1,2,4-trichlorobenzene	408	U
91-20-3	naphthalene	408	U
106-47-8	4-chloroaniline	408	U
59-50-7	4-chloro-3-methylphenol	408	U
91-57-6	2-methylnaphthalene	408	U
77-47-4	hexachlorocyclopentadiene	408	U
91-58-7	2-chloronaphthalene	408	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1F117

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	408	U
131-11-3	dimethylphthalate	408	U
209-96-8	acenaphthylene	408	U
606-20-2	2,6-dinitrotoluene	408	U
99-09-2	3-nitroaniline	408	U
83-32-9	acenaphthene	408	U
51-28-5	2,4-dinitrophenol	816	U
132-64-9	dibenzofuran	408	U
100-02-7	4-nitrophenol	408	U
84-66-2	diethylphthalate	408	U
7005-72-3	4-chlorophenylphenylether	408	U
86-73-7	fluorene	408	U
100-01-6	4-nitroaniline	408	U
534-52-1	4,6-dinitro-2-methylphenol	408	U
86-30-6	N-nitroso-diphenylamine	408	U
101-55-3	4-bromophenylphenylether	408	U
85-01-8	phenanthrene	408	U
120-12-7	anthracene	408	U
84-74-2	di-n-butylphthalate	408	U
206-44-0	fluoranthene	408	U
129-00-0	pyrene	408	U
85-68-7	butylbenzylphthalate	408	U
91-94-1	3,3'-dichlorobenzidine	2040	U
56-55-3	benzo(a)anthracene	408	U
218-01-9	chrysene	408	U
117-81-7	bis(2-ethylhexyl)phthalate	408	U
117-84-0	di-n-octylphthalate	408	U
205-99-2	benzo(b)fluoranthene	408	U
207-08-9	benzo(k)fluoranthene	408	U
50-32-8	benzo(a)pyrene	408	U
193-39-5	indeno(1,2,3-cd)pyrene	408	U
53-70-3	dibenz(a,h)anthracene	408	U
191-24-2	benzo(g,h,i)perylene	408	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1F117

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	408	U
123-91-1	1,4-dioxane	408	U
80-62-6	methyl methacrylate	408	U
97-63-2	ethyl methacrylate	408	U
109-06-8	2-picoline	408	U
10595-95-6	n-nitrosomethylethylamine	408	U
66-27-3	methyl methanesulfonate	408	U
55-18-5	n-nitrosodiethylamine	408	U
62-50-0	ethyl methanesulfonate	408	U
76-01-7	pentachloroethane	408	U
930-55-2	n-nitrosopyrrolidine	408	U
59-89-2	n-nitrosomorpholine	408	U
95-53-4	o-toluidine	408	U
100-75-4	n-nitrosopiperdine	408	U
122-09-8	a,a-dimethylphenethylamine	408	U
126-68-1	triethylphosphorothioate	408	U
87-65-0	2,6-dichlorophenol	408	U
1888-71-7	hexachloropropene	408	U
106-50-3	p-phenylenediamine	816	U
924-16-3	n-nitroso-di-n-butylamine	408	U
94-59-7	safrole	408	U
634-90-2	1,2,4,5-tetrachlorobenzene	408	U
120-58-1	isosafrole	408	U
130-15-4	1,4-naphthoquinone	408	U
99-65-0	m-dinitrobenzene	408	U
608-93-5	pentachlorobenzene	408	U
134-32-7	1-naphthylamine	408	U
91-59-8	2-naphthylamine	408	U
58-90-2	2,3,4,6-tetrachlorophenol	408	U
99-55-8	5-nitro-o-toluidine	408	U
297-97-2	thionazine	408	U
122-39-4	diphenylamine	408	U
3689-24-5	sulfotepp	408	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1F117

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2040 ~~408~~	U
62-44-2	phenacetin	408	U
2303-16-4	diallate	408	U
60-51-5	dimethoate	2040 ~~408~~	U
92-67-1	4-aminobiphenyl	408	U
82-68-8	pentachloronitrobenzene	408	U
23950-58-5	pronamide	408	U
88-85-7	dinoseb	408	U
298-04-4	disulfoton	408	U
56-57-5	4-nitroquinoline-1-oxide	408	U
135-23-9	methapyrilene	2040 ~~408~~	U
465-73-6	isodrin	408	U
140-57-8	aramite	408	U
143-50-0	kepone	408	U
60-11-7	p-(dimethylamino)azobenzene	408	U
510-15-6	chlorobenzilate	2040 ~~408~~	U
119-93-7	3,3'-dimethylbenzidine	2040 ~~408~~	U
52-85-7	famphur	408	U
53-96-3	2-acetylaminofluorene	408	U
57-97-6	7,12-dimethylbenz(a)anthracene	408	U
59-49-5	3-methylcholanthrene	408	U

DRW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E521

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	411	U
95-48-7	2-methylphenol	411	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	411	U
67-72-1	hexachloroethane	411	U
98-95-3	nitrobenzene	411	U
87-68-3	hexachlorobutadiene	411	U
88-06-2	2,4,6-trichlorophenol	411	U
95-95-4	2,4,5-trichlorophenol	411	U
121-14-2	2,4-dinitrotoluene	411	U
118-74-1	hexachlorobenzene	411	U
87-86-5	pentachlorophenol	411	U
62-53-3	aniline	411	U
108-95-2	phenol	411	U
111-44-4	bis(2-chloroethyl)ether	411	U
95-57-8	2-chlorophenol	411	U
541-73-1	1,3-dichlorobenzene	411	U
106-46-7	1,4-dichlorobenzene	411	U
100-51-6	benzyl alcohol	411	U
95-50-1	1,2-dichlorobenzene	411	U
98-86-2	acetophenone	411	U
621-64-7	N-nitroso-di-n-propylamine	411	U
78-59-1	isophorone	411	U
88-75-5	2-nitrophenol	411	U
105-67-9	2,4-dimethylphenol	411	U
111-91-1	bis(2-chloroethoxy)methane	411	U
120-83-2	2,4-dichlorophenol	411	U
120-82-1	1,2,4-trichlorobenzene	411	U
91-20-3	naphthalene	411	U
106-47-8	4-chloroaniline	411	U
59-50-7	4-chloro-3-methylphenol	411	U
91-57-6	2-methylnaphthalene	411	U
77-47-4	hexachlorocyclopentadiene	411	U
91-58-7	2-chloronaphthalene	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E521

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	411	U
131-11-3	dimethylphthalate	411	U
209-96-8	acenaphthylene	411	U
606-20-2	2,6-dinitrotoluene	411	U
99-09-2	3-nitroaniline	411	U
83-32-9	acenaphthene	411	U
51-28-5	2,4-dinitrophenol	823	U
132-64-9	dibenzofuran	411	U
100-02-7	4-nitrophenol	411	U
84-66-2	diethylphthalate	411	U
7005-72-3	4-chlorophenylphenylether	411	U
86-73-7	fluorene	411	U
100-01-6	4-nitroaniline	411	U
534-52-1	4,6-dinitro-2-methylphenol	411	U
86-30-6	N-nitroso-diphenylamine	411	U
101-55-3	4-bromophenylphenylether	411	U
85-01-8	phenanthrene	411	U
120-12-7	anthracene	411	U
84-74-2	di-n-butylphthalate	411	U
206-44-0	fluoranthene	411	U
129-00-0	pyrene	411	U
85-68-7	butylbenzylphthalate	411	U
91-94-1	3,3'-dichlorobenzidine	2060	U
56-55-3	benzo(a)anthracene	411	U
218-01-9	chrysene	411	U
117-81-7	bis(2-ethylhexyl)phthalate	411	U
117-84-0	di-n-octylphthalate	411	U
205-99-2	benzo(b)fluoranthene	411	U
207-08-9	benzo(k)fluoranthene	411	U
50-32-8	benzo(a)pyrene	411	U
193-39-5	indeno(1,2,3-cd)pyrene	411	U
53-70-3	dibenz(a,h)anthracene	411	U
191-24-2	benzo(g,h,i)perylene	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E521

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	411	U
123-91-1	1,4-dioxane	411	U
80-62-6	methyl methacrylate	411	U
97-63-2	ethyl methacrylate	411	U
109-06-8	2-picoline	411	U
10595-95-6	n-nitrosomethylethylamine	411	U
66-27-3	methyl methanesulfonate	411	U
55-18-5	n-nitrosodiethylamine	411	U
62-50-0	ethyl methanesulfonate	411	U
76-01-7	pentachloroethane	411	U
930-55-2	n-nitrosopyrrolidine	411	U
59-89-2	n-nitrosomorpholine	411	U
95-53-4	o-toluidine	411	U
100-75-4	n-nitrosopiperdine	411	U
122-09-8	a,a-dimethylphenethylamine	411	U
126-68-1	triethylphosphorothioate	411	U
87-65-0	2,6-dichlorophenol	411	U
1888-71-7	hexachloropropene	411	U
106-50-3	p-phenylenediamine	823	U
924-16-3	n-nitroso-di-n-butylamine	411	U
94-59-7	safrole	411	U
634-90-2	1,2,4,5-tetrachlorobenzene	411	U
120-58-1	isosafrole	411	U
130-15-4	1,4-naphthoquinone	411	U
99-65-0	m-dinitrobenzene	411	U
608-93-5	pentachlorobenzene	411	U
134-32-7	1-naphthylamine	411	U
91-59-8	2-naphthylamine	411	U
58-90-2	2,3,4,6-tetrachlorophenol	411	U
99-55-8	5-nitro-o-toluidine	411	U
297-97-2	thionazine	411	U
122-39-4	diphenylamine	411	U
3689-24-5	sulfotepp	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E521

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1320 ~~411~~	U
62-44-2	phenacetin	411	U
2303-16-4	diallate	411	U
60-51-5	dimethoate	1320 ~~411~~	U
92-67-1	4-aminobiphenyl	411	U
82-68-8	pentachloronitrobenzene	411	U
23950-58-5	pronamide	411	U
88-85-7	dinoseb	411	U
298-04-4	disulfoton	411	U
56-57-5	4-nitroquinoline-1-oxide	411	U
135-23-9	methapyrilene	1320 ~~411~~	U
465-73-6	isodrin	411	U
140-57-8	aramite	411	U
143-50-0	kepone	411	U
60-11-7	p-(dimethylamino)azobenzene	411	U
510-15-6	chlorobenzilate	1320 ~~411~~	U
119-93-7	3,3'-dimethylbenzidine	1320 ~~411~~	U
52-85-7	famphur	411	U
53-96-3	2-acetylaminofluorene	411	U
57-97-6	7,12-dimethylbenz(a)anthracene	411	U
59-49-5	3-methylcholanthrene	411	U

gaw 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 15.8 (g/mL) g Lab File ID: 1E522

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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
110-86-1	pyridine	391	U
95-48-7	2-methylphenol	391	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	391	U
67-72-1	hexachloroethane	391	U
98-95-3	nitrobenzene	391	U
87-68-3	hexachlorobutadiene	391	U
88-06-2	2,4,6-trichlorophenol	391	U
95-95-4	2,4,5-trichlorophenol	391	U
121-14-2	2,4-dinitrotoluene	391	U
118-74-1	hexachlorobenzene	391	U
87-86-5	pentachlorophenol	391	U
62-53-3	aniline	391	U
108-95-2	phenol	391	U
111-44-4	bis(2-chloroethyl)ether	391	U
95-57-8	2-chlorophenol	391	U
541-73-1	1,3-dichlorobenzene	391	U
106-46-7	1,4-dichlorobenzene	391	U
100-51-6	benzyl alcohol	391	U
95-50-1	1,2-dichlorobenzene	391	U
98-86-2	acetophenone	391	U
621-64-7	N-nitroso-di-n-propylamine	391	U
78-59-1	isophorone	391	U
88-75-5	2-nitrophenol	391	U
105-67-9	2,4-dimethylphenol	391	U
111-91-1	bis(2-chloroethoxy)methane	391	U
120-83-2	2,4-dichlorophenol	391	U
120-82-1	1,2,4-trichlorobenzene	391	U
91-20-3	naphthalene	391	U
106-47-8	4-chloroaniline	391	U
59-50-7	4-chloro-3-methylphenol	391	U
91-57-6	2-methylnaphthalene	391	U
77-47-4	hexachlorocyclopentadiene	391	U
91-58-7	2-chloronaphthalene	391	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 15.8 (g/mL) g Lab File ID: 1E522

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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
88-74-4	2-nitroaniline	391	U
131-11-3	dimethylphthalate	391	U
209-96-8	acenaphthylene	391	U
606-20-2	2,6-dinitrotoluene	391	U
99-09-2	3-nitroaniline	391	U
83-32-9	acenaphthene	391	U
51-28-5	2,4-dinitrophenol	782	U
132-64-9	dibenzofuran	391	U
100-02-7	4-nitrophenol	391	U
84-66-2	diethylphthalate	391	U
7005-72-3	4-chlorophenylphenylether	391	U
86-73-7	fluorene	391	U
100-01-6	4-nitroaniline	391	U
534-52-1	4,6-dinitro-2-methylphenol	391	U
86-30-6	N-nitroso-diphenylamine	391	U
101-55-3	4-bromophenylphenylether	391	U
85-01-8	phenanthrene	391	U
120-12-7	anthracene	391	U
84-74-2	di-n-butylphthalate	391	U
206-44-0	fluoranthene	391	U
129-00-0	pyrene	391	U
85-68-7	butylbenzylphthalate	391	U
91-94-1	3,3'-dichlorobenzidine	1950	U
56-55-3	benzo(a)anthracene	391	U
218-01-9	chrysene	391	U
117-81-7	bis(2-ethylhexyl)phthalate	391	U
117-84-0	di-n-octylphthalate	391	U
205-99-2	benzo(b)fluoranthene	391	U
207-08-9	benzo(k)fluoranthene	391	U
50-32-8	benzo(a)pyrene	391	U
193-39-5	indeno(1,2,3-cd)pyrene	391	U
53-70-3	dibenz(a,h)anthracene	391	U
191-24-2	benzo(g,h,i)perylene	391	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 15.8 (g/mL) g Lab File ID: 1E522

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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
62-75-9	N-methyl-N-nitrosomethylamine	391	U
123-91-1	1,4-dioxane	391	U
80-62-6	methyl methacrylate	391	U
97-63-2	ethyl methacrylate	391	U
109-06-8	2-picoline	391	U
10595-95-6	n-nitrosomethylethylamine	391	U
66-27-3	methyl methanesulfonate	391	U
55-18-5	n-nitrosodiethylamine	391	U
62-50-0	ethyl methanesulfonate	391	U
76-01-7	pentachloroethane	391	U
930-55-2	n-nitrosopyrrolidine	391	U
59-89-2	n-nitrosomorpholine	391	U
95-53-4	o-toluidine	391	U
100-75-4	n-nitrosopiperdine	391	U
122-09-8	a,a-dimethylphenethylamine	391	U
126-68-1	triethylphosphorothioate	391	U
87-65-0	2,6-dichlorophenol	391	U
1888-71-7	hexachloropropene	391	U
106-50-3	p-phenylenediamine	782	U
924-16-3	n-nitroso-di-n-butylamine	391	U
94-59-7	safrole	391	U
634-90-2	1,2,4,5-tetrachlorobenzene	391	U
120-58-1	isosafrole	391	U
130-15-4	1,4-naphthoquinone	391	U
99-65-0	m-dinitrobenzene	391	U
608-93-5	pentachlorobenzene	391	U
134-32-7	1-naphthylamine	391	U
91-59-8	2-naphthylamine	391	U
58-90-2	2,3,4,6-tetrachlorophenol	391	U
99-55-8	5-nitro-o-toluidine	391	U
297-97-2	thionazine	391	U
122-39-4	diphenylamine	391	U
3689-24-5	sulfotepp	391	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 15.8 (g/mL) g Lab File ID: 1E522

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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
99-35-4	1,3,5-trinitrobenzene	3600 ~~391~~	U
62-44-2	phenacetin	391	U
2303-16-4	diallate	391	U
60-51-5	dimethoate	3600 ~~391~~	U
92-67-1	4-aminobiphenyl	391	U
82-68-8	pentachloronitrobenzene	391	U
23950-58-5	pronamide	391	U
88-85-7	dinoseb	391	U
298-04-4	disulfoton	391	U
56-57-5	4-nitroquinoline-1-oxide	391	U
135-23-9	methapyrilene	3600 ~~391~~	U
465-73-6	isodrin	391	U
140-57-8	aramite	391	U
143-50-0	kepone	391	U
60-11-7	p-(dimethylamino)azobenzene	391	U
510-15-6	chlorobenzilate	3600 ~~391~~	U
119-93-7	3,3'-dimethylbenzidine	3600 ~~391~~	U
52-85-7	famphur	391	U
53-96-3	2-acetylaminofluorene	391	U
57-97-6	7,12-dimethylbenz(a)anthracene	391	U
59-49-5	3-methylcholanthrene	391	U

DAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E523

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
110-86-1	pyridine	406	U
95-48-7	2-methylphenol	406	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	406	U
67-72-1	hexachloroethane	406	U
98-95-3	nitrobenzene	406	U
87-68-3	hexachlorobutadiene	406	U
88-06-2	2,4,6-trichlorophenol	406	U
95-95-4	2,4,5-trichlorophenol	406	U
121-14-2	2,4-dinitrotoluene	406	U
118-74-1	hexachlorobenzene	406	U
87-86-5	pentachlorophenol	406	U
62-53-3	aniline	406	U
108-95-2	phenol	406	U
111-44-4	bis(2-chloroethyl)ether	406	U
95-57-8	2-chlorophenol	406	U
541-73-1	1,3-dichlorobenzene	406	U
106-46-7	1,4-dichlorobenzene	406	U
100-51-6	benzyl alcohol	406	U
95-50-1	1,2-dichlorobenzene	406	U
98-86-2	acetophenone	406	U
621-64-7	N-nitroso-di-n-propylamine	406	U
78-59-1	isophorone	406	U
88-75-5	2-nitrophenol	406	U
105-67-9	2,4-dimethylphenol	406	U
111-91-1	bis(2-chloroethoxy)methane	406	U
120-83-2	2,4-dichlorophenol	406	U
120-82-1	1,2,4-trichlorobenzene	406	U
91-20-3	naphthalene	406	U
106-47-8	4-chloroaniline	406	U
59-50-7	4-chloro-3-methylphenol	406	U
91-57-6	2-methylnaphthalene	406	U
77-47-4	hexachlorocyclopentadiene	406	U
91-58-7	2-chloronaphthalene	406	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E523

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
88-74-4	2-nitroaniline	406	U
131-11-3	dimethylphthalate	406	U
209-96-8	acenaphthylene	406	U
606-20-2	2,6-dinitrotoluene	406	U
99-09-2	3-nitroaniline	406	U
83-32-9	acenaphthene	406	U
51-28-5	2,4-dinitrophenol	813	U
132-64-9	dibenzofuran	406	U
100-02-7	4-nitrophenol	406	U
84-66-2	diethylphthalate	406	U
7005-72-3	4-chlorophenylphenylether	406	U
86-73-7	fluorene	406	U
100-01-6	4-nitroaniline	406	U
534-52-1	4,6-dinitro-2-methylphenol	406	U
86-30-6	N-nitroso-diphenylamine	406	U
101-55-3	4-bromophenylphenylether	406	U
85-01-8	phenanthrene	406	U
120-12-7	anthracene	406	U
84-74-2	di-n-butylphthalate	406	U
206-44-0	fluoranthene	406	U
129-00-0	pyrene	406	U
85-68-7	butylbenzylphthalate	406	U
91-94-1	3,3'-dichlorobenzidine	2030	U
56-55-3	benzo(a)anthracene	406	U
218-01-9	chrysene	406	U
117-81-7	bis(2-ethylhexyl)phthalate	406	U
117-84-0	di-n-octylphthalate	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E523

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
62-75-9	N-methyl-N-nitrosomethylamine	406	U
123-91-1	1,4-dioxane	406	U
80-62-6	methyl methacrylate	406	U
97-63-2	ethyl methacrylate	406	U
109-06-8	2-picoline	406	U
10595-95-6	n-nitrosomethylethylamine	406	U
66-27-3	methyl methanesulfonate	406	U
55-18-5	n-nitrosodiethylamine	406	U
62-50-0	ethyl methanesulfonate	406	U
76-01-7	pentachloroethane	406	U
930-55-2	n-nitrosopyrrolidine	406	U
59-89-2	n-nitrosomorpholine	406	U
95-53-4	o-toluidine	406	U
100-75-4	n-nitrosopiperdine	406	U
122-09-8	a,a-dimethylphenethylamine	406	U
126-68-1	triethylphosphorothioate	406	U
87-65-0	2,6-dichlorophenol	406	U
1888-71-7	hexachloropropene	406	U
106-50-3	p-phenylenediamine	813	U
924-16-3	n-nitroso-di-n-butylamine	406	U
94-59-7	safrole	406	U
634-90-2	1,2,4,5-tetrachlorobenzene	406	U
120-58-1	isosafrole	406	U
130-15-4	1,4-naphthoquinone	406	U
99-65-0	m-dinitrobenzene	406	U
608-93-5	pentachlorobenzene	406	U
134-32-7	1-naphthylamine	406	U
91-59-8	2-naphthylamine	406	U
58-90-2	2,3,4,6-tetrachlorophenol	406	U
99-55-8	5-nitro-o-toluidine	406	U
297-97-2	thionazine	406	U
122-39-4	diphenylamine	406	U
3689-24-5	sulfotepp	406	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1E523

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
99-35-4	1,3,5-trinitrobenzene	1870 ~~406~~	U
62-44-2	phenacetin	406	U
2303-16-4	diallate	406	U
60-51-5	dimethoate	1870 ~~406~~	U
92-67-1	4-aminobiphenyl	406	U
82-68-8	pentachloronitrobenzene	406	U
23950-58-5	pronamide	406	U
88-85-7	dinoseb	406	U
298-04-4	disulfoton	406	U
56-57-5	4-nitroquinoline-1-oxide	406	U
135-23-9	methapyrilene	1870 ~~406~~	U
465-73-6	isodrin	406	U
140-57-8	aramite	406	U
143-50-0	kepone	406	U
60-11-7	p-(dimethylamino)azobenzene	406	U
510-15-6	chlorobenzilate	1870 ~~406~~	U
119-93-7	3,3'-dimethylbenzidine	1870 ~~406~~	U
52-85-7	famphur	406	U
53-96-3	2-acetylaminofluorene	406	U
57-97-6	7,12-dimethylbenz(a)anthracene	406	U
59-49-5	3-methylcholanthrene	406	U

JKW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E217

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	437	U
95-48-7	2-methylphenol	437	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	437	U
67-72-1	hexachloroethane	437	U
98-95-3	nitrobenzene	437	U
87-68-3	hexachlorobutadiene	437	U
88-06-2	2,4,6-trichlorophenol	437	U
95-95-4	2,4,5-trichlorophenol	437	U
121-14-2	2,4-dinitrotoluene	437	U
118-74-1	hexachlorobenzene	437	U
87-86-5	pentachlorophenol	437	U
62-53-3	aniline	437	U
108-95-2	phenol	437	U
111-44-4	bis(2-chloroethyl)ether	437	U
95-57-8	2-chlorophenol	437	U
541-73-1	1,3-dichlorobenzene	437	U
106-46-7	1,4-dichlorobenzene	437	U
100-51-6	benzyl alcohol	437	U
95-50-1	1,2-dichlorobenzene	437	U
98-86-2	acetophenone	437	U
621-64-7	N-nitroso-di-n-propylamine	437	U
78-59-1	isophorone	437	U
88-75-5	2-nitrophenol	437	U
105-67-9	2,4-dimethylphenol	437	U
111-91-1	bis(2-chloroethoxy)methane	437	U
120-83-2	2,4-dichlorophenol	437	U
120-82-1	1,2,4-trichlorobenzene	437	U
91-20-3	naphthalene	437	U
106-47-8	4-chloroaniline	437	U
59-50-7	4-chloro-3-methylphenol	437	U
91-57-6	2-methylnaphthalene	437	U
77-47-4	hexachlorocyclopentadiene	437	U
91-58-7	2-chloronaphthalene	437	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E217

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	437	U
131-11-3	dimethylphthalate	437	U
209-96-8	acenaphthylene	437	U
606-20-2	2,6-dinitrotoluene	437	U
99-09-2	3-nitroaniline	437	U
83-32-9	acenaphthene	437	U
51-28-5	2,4-dinitrophenol	874	U
132-64-9	dibenzofuran	437	U
100-02-7	4-nitrophenol	437	U
84-66-2	diethylphthalate	437	U
7005-72-3	4-chlorophenylphenylether	437	U
86-73-7	fluorene	437	U
100-01-6	4-nitroaniline	437	U
534-52-1	4,6-dinitro-2-methylphenol	437	U
86-30-6	N-nitroso-diphenylamine	437	U
101-55-3	4-bromophenylphenylether	437	U
85-01-8	phenanthrene	437	U
120-12-7	anthracene	437	U
84-74-2	di-n-butylphthalate	437	U
206-44-0	fluoranthene	437	U
129-00-0	pyrene	437	U
85-68-7	butylbenzylphthalate	437	U
91-94-1	3,3'-dichlorobenzidine	2180	U
56-55-3	benzo(a)anthracene	437	U
218-01-9	chrysene	437	U
117-81-7	bis(2-ethylhexyl)phthalate	437	U
117-84-0	di-n-octylphthalate	437	U
205-99-2	benzo(b)fluoranthene	437	U
207-08-9	benzo(k)fluoranthene	437	U
50-32-8	benzo(a)pyrene	437	U
193-39-5	indeno(1,2,3-cd)pyrene	437	U
53-70-3	dibenz(a,h)anthracene	437	U
191-24-2	benzo(g,h,i)perylene	437	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E217

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	437	U
123-91-1	1,4-dioxane	437	U
80-62-6	methyl methacrylate	437	U
97-63-2	ethyl methacrylate	437	U
109-06-8	2-picoline	437	U
10595-95-6	n-nitrosomethylethylamine	437	U
66-27-3	methyl methanesulfonate	437	U
55-18-5	n-nitrosodiethylamine	437	U
62-50-0	ethyl methanesulfonate	437	U
76-01-7	pentachloroethane	437	U
930-55-2	n-nitrosopyrrolidine	437	U
59-89-2	n-nitrosomorpholine	437	U
95-53-4	o-toluidine	437	U
100-75-4	n-nitrosopiperdine	437	U
122-09-8	a,a-dimethylphenethylamine	437	U
126-68-1	triethylphosphorothioate	437	U
87-65-0	2,6-dichlorophenol	437	U
1888-71-7	hexachloropropene	437	U
106-50-3	p-phenylenediamine	874	U
924-16-3	n-nitroso-di-n-butylamine	437	U
94-59-7	safrole	437	U
634-90-2	1,2,4,5-tetrachlorobenzene	437	U
120-58-1	isosafrole	437	U
130-15-4	1,4-naphthoquinone	437	U
99-65-0	m-dinitrobenzene	437	U
608-93-5	pentachlorobenzene	437	U
134-32-7	1-naphthylamine	437	U
91-59-8	2-naphthylamine	437	U
58-90-2	2,3,4,6-tetrachlorophenol	437	U
99-55-8	5-nitro-o-toluidine	437	U
297-97-2	thionazine	437	U
122-39-4	diphenylamine	437	U
3689-24-5	sulfotepp	437	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E217

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2180 ~~437~~	U
62-44-2	phenacetin	437	U
2303-16-4	diallate	437	U
60-51-5	dimethoate	2180 ~~437~~	U
92-67-1	4-aminobiphenyl	437	U
82-68-8	pentachloronitrobenzene	437	U
23950-58-5	pronamide	437	U
88-85-7	dinoseb	874	U
298-04-4	disulfoton	437	U
56-57-5	4-nitroquinoline-1-oxide	874	U
135-23-9	methapyrilene	2180 ~~437~~	U
465-73-6	isodrin	437	U
140-57-8	aramite	874	U
143-50-0	kepone	437	U
60-11-7	p-(dimethylamino)azobenzene	437	U
510-15-6	chlorobenzilate	2180 ~~437~~	U
119-93-7	3,3'-dimethylbenzidine	2180	U
52-85-7	famphur	437	U
53-96-3	2-acetylaminofluorene	437	U
57-97-6	7,12-dimethylbenz(a)anthracene	437	U
59-49-5	3-methylcholanthrene	437	U

gmw 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 15.7 (g/mL) g Lab File ID: 4E218

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	539	U
95-48-7	2-methylphenol	539	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	539	U
67-72-1	hexachloroethane	539	U
98-95-3	nitrobenzene	539	U
87-68-3	hexachlorobutadiene	539	U
88-06-2	2,4,6-trichlorophenol	539	U
95-95-4	2,4,5-trichlorophenol	539	U
121-14-2	2,4-dinitrotoluene	539	U
118-74-1	hexachlorobenzene	539	U
87-86-5	pentachlorophenol	539	U
62-53-3	aniline	539	U
108-95-2	phenol	539	U
111-44-4	bis(2-chloroethyl)ether	539	U
95-57-8	2-chlorophenol	539	U
541-73-1	1,3-dichlorobenzene	539	U
106-46-7	1,4-dichlorobenzene	539	U
100-51-6	benzyl alcohol	539	U
95-50-1	1,2-dichlorobenzene	539	U
98-86-2	acetophenone	539	U
621-64-7	N-nitroso-di-n-propylamine	539	U
78-59-1	isophorone	539	U
88-75-5	2-nitrophenol	539	U
105-67-9	2,4-dimethylphenol	539	U
111-91-1	bis(2-chloroethoxy)methane	539	U
120-83-2	2,4-dichlorophenol	539	U
120-82-1	1,2,4-trichlorobenzene	539	U
91-20-3	naphthalene	539	U
106-47-8	4-chloroaniline	539	U
59-50-7	4-chloro-3-methylphenol	539	U
91-57-6	2-methylnaphthalene	539	U
77-47-4	hexachlorocyclopentadiene	539	U
91-58-7	2-chloronaphthalene	539	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 15.7 (g/mL) g Lab File ID: 4E218

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	539	U
131-11-3	dimethylphthalate	539	U
209-96-8	acenaphthylene	539	U
606-20-2	2,6-dinitrotoluene	539	U
99-09-2	3-nitroaniline	539	U
83-32-9	acenaphthene	539	U
51-28-5	2,4-dinitrophenol	1080	U
132-64-9	dibenzofuran	539	U
100-02-7	4-nitrophenol	539	U
84-66-2	diethylphthalate	539	U
7005-72-3	4-chlorophenylphenylether	539	U
86-73-7	fluorene	539	U
100-01-6	4-nitroaniline	539	U
534-52-1	4,6-dinitro-2-methylphenol	539	U
86-30-6	N-nitroso-diphenylamine	539	U
101-55-3	4-bromophenylphenylether	539	U
85-01-8	phenanthrene	539	U
120-12-7	anthracene	539	U
84-74-2	di-n-butylphthalate	539	U
206-44-0	fluoranthene	539	U
129-00-0	pyrene	539	U
85-68-7	butylbenzylphthalate	539	U
91-94-1	3,3'-dichlorobenzidine	2690	U
56-55-3	benzo(a)anthracene	539	U
218-01-9	chrysene	539	U
117-81-7	bis(2-ethylhexyl)phthalate	539	U
117-84-0	di-n-octylphthalate	539	U
205-99-2	benzo(b)fluoranthene	539	U
207-08-9	benzo(k)fluoranthene	539	U
50-32-8	benzo(a)pyrene	539	U
193-39-5	indeno(1,2,3-cd)pyrene	539	U
53-70-3	dibenz(a,h)anthracene	539	U
191-24-2	benzo(g,h,i)perylene	539	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-2

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 15.7 (g/mL) g Lab File ID: 4E218

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	539	U
123-91-1	1,4-dioxane	539	U
80-62-6	methyl methacrylate	539	U
97-63-2	ethyl methacrylate	539	U
109-06-8	2-picoline	539	U
10595-95-6	n-nitrosomethylethylamine	539	U
66-27-3	methyl methanesulfonate	539	U
55-18-5	n-nitrosodiethylamine	539	U
62-50-0	ethyl methanesulfonate	539	U
76-01-7	pentachloroethane	539	U
930-55-2	n-nitrosopyrrolidine	539	U
59-89-2	n-nitrosomorpholine	539	U
95-53-4	o-toluidine	539	U
100-75-4	n-nitrosopiperdine	539	U
122-09-8	a,a-dimethylphenethylamine	539	U
126-68-1	triethylphosphorothioate	539	U
87-65-0	2,6-dichlorophenol	539	U
1888-71-7	hexachloropropene	539	U
106-50-3	p-phenylenediamine	1080	U
924-16-3	n-nitroso-di-n-butylamine	539	U
94-59-7	safrole	539	U
634-90-2	1,2,4,5-tetrachlorobenzene	539	U
120-58-1	isosafrole	539	U
130-15-4	1,4-naphthoquinone	539	U
99-65-0	m-dinitrobenzene	539	U
608-93-5	pentachlorobenzene	539	U
134-32-7	1-naphthylamine	539	U
91-59-8	2-naphthylamine	539	U
58-90-2	2,3,4,6-tetrachlorophenol	539	U
99-55-8	5-nitro-o-toluidine	539	U
297-97-2	thionazine	539	U
122-39-4	diphenylamine	539	U
3689-24-5	sulfotepp	539	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 15.7 (g/mL) g Lab File ID: 4E218

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/30/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2690 ~~539~~	U
62-44-2	phenacetin	539	U
2303-16-4	diallate	539	U
60-51-5	dimethoate	2690 ~~539~~	U
92-67-1	4-aminobiphenyl	539	U
82-68-8	pentachloronitrobenzene	539	U
23950-58-5	pronamide	539	U
88-85-7	dinoseb	1080	U
298-04-4	disulfoton	539	U
56-57-5	4-nitroquinoline-1-oxide	1080	U
135-23-9	methapyrilene	2690 ~~539~~	U
465-73-6	isodrin	539	U
140-57-8	aramite	1080	U
143-50-0	kepone	539	U
60-11-7	p-(dimethylamino)azobenzene	539	U
510-15-6	chlorobenzilate	2690 ~~539~~	U
119-93-7	3,3'-dimethylbenzidine	2690	U
52-85-7	famphur	539	U
53-96-3	2-acetylaminofluorene	539	U
57-97-6	7,12-dimethylbenz(a)anthracene	539	U
59-49-5	3-methylcholanthrene	539	U

JAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E219

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	529	U
95-48-7	2-methylphenol	529	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	529	U
67-72-1	hexachloroethane	529	U
98-95-3	nitrobenzene	529	U
87-68-3	hexachlorobutadiene	529	U
88-06-2	2,4,6-trichlorophenol	529	U
95-95-4	2,4,5-trichlorophenol	529	U
121-14-2	2,4-dinitrotoluene	529	U
118-74-1	hexachlorobenzene	529	U
87-86-5	pentachlorophenol	529	U
62-53-3	aniline	529	U
108-95-2	phenol	529	U
111-44-4	bis(2-chloroethyl)ether	529	U
95-57-8	2-chlorophenol	529	U
541-73-1	1,3-dichlorobenzene	529	U
106-46-7	1,4-dichlorobenzene	529	U
100-51-6	benzyl alcohol	529	U
95-50-1	1,2-dichlorobenzene	529	U
98-86-2	acetophenone	529	U
621-64-7	N-nitroso-di-n-propylamine	529	U
78-59-1	isophorone	529	U
88-75-5	2-nitrophenol	529	U
105-67-9	2,4-dimethylphenol	529	U
111-91-1	bis(2-chloroethoxy)methane	529	U
120-83-2	2,4-dichlorophenol	529	U
120-82-1	1,2,4-trichlorobenzene	529	U
91-20-3	naphthalene	529	U
106-47-8	4-chloroaniline	529	U
59-50-7	4-chloro-3-methylphenol	529	U
91-57-6	2-methylnaphthalene	529	U
77-47-4	hexachlorocyclopentadiene	529	U
91-58-7	2-chloronaphthalene	529	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E219

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	529	U
131-11-3	dimethylphthalate	529	U
209-96-8	acenaphthylene	529	U
606-20-2	2,6-dinitrotoluene	529	U
99-09-2	3-nitroaniline	529	U
83-32-9	acenaphthene	529	U
51-28-5	2,4-dinitrophenol	1060	U
132-64-9	dibenzofuran	529	U
100-02-7	4-nitrophenol	529	U
84-66-2	diethylphthalate	529	U
7005-72-3	4-chlorophenylphenylether	529	U
86-73-7	fluorene	529	U
100-01-6	4-nitroaniline	529	U
534-52-1	4,6-dinitro-2-methylphenol	529	U
86-30-6	N-nitroso-diphenylamine	529	U
101-55-3	4-bromophenylphenylether	529	U
85-01-8	phenanthrene	529	U
120-12-7	anthracene	529	U
84-74-2	di-n-butylphthalate	529	U
206-44-0	fluoranthene	529	U
129-00-0	pyrene	529	U
85-68-7	butylbenzylphthalate	529	U
91-94-1	3,3'-dichlorobenzidine	2640	U
56-55-3	benzo(a)anthracene	529	U
218-01-9	chrysene	529	U
117-81-7	bis(2-ethylhexyl)phthalate	529	U
117-84-0	di-n-octylphthalate	529	U
205-99-2	benzo(b)fluoranthene	529	U
207-08-9	benzo(k)fluoranthene	529	U
50-32-8	benzo(a)pyrene	529	U
193-39-5	indeno(1,2,3-cd)pyrene	529	U
53-70-3	dibenz(a,h)anthracene	529	U
191-24-2	benzo(g,h,i)perylene	529	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E219

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	529	U
123-91-1	1,4-dioxane	529	U
80-62-6	methyl methacrylate	529	U
97-63-2	ethyl methacrylate	529	U
109-06-8	2-picoline	529	U
10595-95-6	n-nitrosomethylethylamine	529	U
66-27-3	methyl methanesulfonate	529	U
55-18-5	n-nitrosodiethylamine	529	U
62-50-0	ethyl methanesulfonate	529	U
76-01-7	pentachloroethane	529	U
930-55-2	n-nitrosopyrrolidine	529	U
59-89-2	n-nitrosomorpholine	529	U
95-53-4	o-toluidine	529	U
100-75-4	n-nitrosopiperdine	529	U
122-09-8	a,a-dimethylphenethylamine	529	U
126-68-1	triethylphosphorothioate	529	U
87-65-0	2,6-dichlorophenol	529	U
1888-71-7	hexachloropropene	529	U
106-50-3	p-phenylenediamine	1060	U
924-16-3	n-nitroso-di-n-butylamine	529	U
94-59-7	safrole	529	U
634-90-2	1,2,4,5-tetrachlorobenzene	529	U
120-58-1	isosafrole	529	U
130-15-4	1,4-naphthoquinone	529	U
99-65-0	m-dinitrobenzene	529	U
608-93-5	pentachlorobenzene	529	U
134-32-7	1-naphthylamine	529	U
91-59-8	2-naphthylamine	529	U
58-90-2	2,3,4,6-tetrachlorophenol	529	U
99-55-8	5-nitro-o-toluidine	529	U
297-97-2	thionazine	529	U
122-39-4	diphenylamine	529	U
3689-24-5	sulfotepp	529	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4E219

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2640 ~~529~~	U
62-44-2	phenacetin	529	U
2303-16-4	diallate	529	U
60-51-5	dimethoate	2640 ~~529~~	U
92-67-1	4-aminobiphenyl	529	U
82-68-8	pentachloronitrobenzene	529	U
23950-58-5	pronamide	529	U
88-85-7	dinoseb	1060	U
298-04-4	disulfoton	529	U
56-57-5	4-nitroquinoline-1-oxide	1060	U
135-23-9	methapyrilene	2640 ~~529~~	U
465-73-6	isodrin	529	U
140-57-8	aramite	1060	U
143-50-0	kepone	529	U
60-11-7	p-(dimethylamino)azobenzene	529	U
510-15-6	chlorobenzilate	2640 ~~529~~	U
119-93-7	3,3'-dimethylbenzidine	2640	U
52-85-7	famphur	529	U
53-96-3	2-acetylaminofluorene	529	U
57-97-6	7,12-dimethylbenz(a)anthracene	529	U
59-49-5	3-methylcholanthrene	529	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E220

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	733	U
95-48-7	2-methylphenol	733	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	733	U
67-72-1	hexachloroethane	733	U
98-95-3	nitrobenzene	733	U
87-68-3	hexachlorobutadiene	733	U
88-06-2	2,4,6-trichlorophenol	733	U
95-95-4	2,4,5-trichlorophenol	733	U
121-14-2	2,4-dinitrotoluene	733	U
118-74-1	hexachlorobenzene	733	U
87-86-5	pentachlorophenol	733	U
62-53-3	aniline	733	U
108-95-2	phenol	733	U
111-44-4	bis(2-chloroethyl)ether	733	U
95-57-8	2-chlorophenol	733	U
541-73-1	1,3-dichlorobenzene	733	U
106-47-7	1,4-dichlorobenzene	733	U
100-51-6	benzyl alcohol	733	U
95-50-1	1,2-dichlorobenzene	733	U
98-86-2	acetophenone	733	U
621-64-7	N-nitroso-di-n-propylamine	733	U
78-59-1	isophorone	733	U
88-75-5	2-nitrophenol	733	U
105-67-9	2,4-dimethylphenol	733	U
111-91-1	bis(2-chloroethoxy)methane	733	U
120-83-2	2,4-dichlorophenol	733	U
120-82-1	1,2,4-trichlorobenzene	733	U
91-20-3	naphthalene	733	U
106-47-8	4-chloroaniline	733	U
59-50-7	4-chloro-3-methylphenol	733	U
91-57-6	2-methylnaphthalene	733	U
77-47-4	hexachlorocyclopentadiene	733	U
91-58-7	2-chloronaphthalene	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E220

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	733	U
131-11-3	dimethylphthalate	733	U
209-96-8	acenaphthylene	733	U
606-20-2	2,6-dinitrotoluene	733	U
99-09-2	3-nitroaniline	733	U
83-32-9	acenaphthene	733	U
51-28-5	2,4-dinitrophenol	1470	U
132-64-9	dibenzofuran	733	U
100-02-7	4-nitrophenol	733	U
84-66-2	diethylphthalate	733	U
7005-72-3	4-chlorophenylphenylether	733	U
86-73-7	fluorene	733	U
100-01-6	4-nitroaniline	733	U
534-52-1	4,6-dinitro-2-methylphenol	733	U
86-30-6	N-nitroso-diphenylamine	733	U
101-55-3	4-bromophenylphenylether	733	U
85-01-8	phenanthrene	733	U
120-12-7	anthracene	733	U
84-74-2	di-n-butylphthalate	733	U
206-44-0	fluoranthene	733	U
129-00-0	pyrene	733	U
85-68-7	butylbenzylphthalate	733	U
91-94-1	3,3'-dichlorobenzidine	3670	U
56-55-3	benzo(a)anthracene	733	U
218-01-9	chrysene	733	U
117-81-7	bis(2-ethylhexyl)phthalate	733	U
117-84-0	di-n-octylphthalate	733	U
205-99-2	benzo(b)fluoranthene	733	U
207-08-9	benzo(k)fluoranthene	733	U
50-32-8	benzo(a)pyrene	733	U
193-39-5	indeno(1,2,3-cd)pyrene	733	U
53-70-3	dibenz(a,h)anthracene	733	U
191-24-2	benzo(g,h,i)perylene	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E220

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	733	U
123-91-1	1,4-dioxane	733	U
80-62-6	methyl methacrylate	733	U
97-63-2	ethyl methacrylate	733	U
109-06-8	2-picoline	733	U
10595-95-6	n-nitrosomethylethylamine	733	U
66-27-3	methyl methanesulfonate	733	U
55-18-5	n-nitrosodiethylamine	733	U
62-50-0	ethyl methanesulfonate	733	U
76-01-7	pentachloroethane	733	U
930-55-2	n-nitrosopyrrolidine	733	U
59-89-2	n-nitrosomorpholine	733	U
95-53-4	o-toluidine	733	U
100-75-4	n-nitrosopiperdine	733	U
122-09-8	a,a-dimethylphenethylamine	733	U
126-68-1	triethylphosphorothioate	733	U
87-65-0	2,6-dichlorophenol	733	U
1888-71-7	hexachloropropene	733	U
106-50-3	p-phenylenediamine	1470	U
924-16-3	n-nitroso-di-n-butylamine	733	U
94-59-7	safrole	733	U
634-90-2	1,2,4,5-tetrachlorobenzene	733	U
120-58-1	isosafrole	733	U
130-15-4	1,4-naphthoquinone	733	U
99-65-0	m-dinitrobenzene	733	U
608-93-5	pentachlorobenzene	733	U
134-32-7	1-naphthylamine	733	U
91-59-8	2-naphthylamine	733	U
58-90-2	2,3,4,6-tetrachlorophenol	733	U
99-55-8	5-nitro-o-toluidine	733	U
297-97-2	thionazine	733	U
122-39-4	diphenylamine	733	U
3689-24-5	sulfotepp	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4E220

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	367° ~~733~~	U
62-44-2	phenacetin	733	U
2303-16-4	diallate	733	U
60-51-5	dimethoate	367° ~~733~~	U
92-67-1	4-aminobiphenyl	733	U
82-68-8	pentachloronitrobenzene	733	U
23950-58-5	pronamide	733	U
88-85-7	dinoseb	1470	U
298-04-4	disulfoton	733	U
56-57-5	4-nitroquinoline-1-oxide	1470	U
135-23-9	methapyrilene	367° ~~733~~	U
465-73-6	isodrin	733	U
140-57-8	aramite	1470	U
143-50-0	kepone	733	U
60-11-7	p-(dimethylamino)azobenzene	733	U
510-15-6	chlorobenzilate	367° ~~733~~	U
119-93-7	3,3'-dimethylbenzidine	3670	U
52-85-7	famphur	733	U
53-96-3	2-acetylaminofluorene	733	U
57-97-6	7,12-dimethylbenz(a)anthracene	733	U
59-49-5	3-methylcholanthrene	733	U

JAW 2/22/96

COMMENTS: SAMPLE WAS RERUN DUE TO THE FAILURE OF AN INTERNAL STANDARD.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1F115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2930	U
95-48-7	2-methylphenol	2930	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	2930	U
67-72-1	hexachloroethane	2930	U
98-95-3	nitrobenzene	2930	U
87-68-3	hexachlorobutadiene	2930	U
88-06-2	2,4,6-trichlorophenol	2930	U
95-95-4	2,4,5-trichlorophenol	2930	U
121-14-2	2,4-dinitrotoluene	2930	U
118-74-1	hexachlorobenzene	2930	U
87-86-5	pentachlorophenol	2930	U
62-53-3	aniline	2930	U
108-95-2	phenol	2930	U
111-44-4	bis(2-chloroethyl)ether	2930	U
95-57-8	2-chlorophenol	2930	U
541-73-1	1,3-dichlorobenzene	2930	U
106-46-7	1,4-dichlorobenzene	2930	U
100-51-6	benzyl alcohol	2930	U
95-50-1	1,2-dichlorobenzene	2930	U
98-86-2	acetophenone	2930	U
621-64-7	N-nitroso-di-n-propylamine	2930	U
78-59-1	isophorone	2930	U
88-75-5	2-nitrophenol	2930	U
105-67-9	2,4-dimethylphenol	2930	U
111-91-1	bis(2-chloroethoxy)methane	2930	U
120-83-2	2,4-dichlorophenol	2930	U
120-82-1	1,2,4-trichlorobenzene	2930	U
91-20-3	naphthalene	2930	U
106-47-8	4-chloroaniline	2930	U
59-50-7	4-chloro-3-methylphenol	2930	U
91-57-6	2-methylnaphthalene	2930	U
77-47-4	hexachlorocyclopentadiene	2930	U
91-58-7	2-chloronaphthalene	2930	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1F115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2930	U
131-11-3	dimethylphthalate	2930	U
209-96-8	acenaphthylene	2930	U
606-20-2	2,6-dinitrotoluene	2930	U
99-09-2	3-nitroaniline	2930	U
83-32-9	acenaphthene	2930	U
51-28-5	2,4-dinitrophenol	5870	U
132-64-9	dibenzofuran	2930	U
100-02-7	4-nitrophenol	2930	U
84-66-2	diethylphthalate	2930	U
7005-72-3	4-chlorophenylphenylether	2930	U
86-73-7	fluorene	2930	U
100-01-6	4-nitroaniline	2930	U
534-52-1	4,6-dinitro-2-methylphenol	2930	U
101-55-3	4-bromophenylphenylether	2930	U
85-01-8	phenanthrene	2930	U
120-12-7	anthracene	2930	U
84-74-2	di-n-butylphthalate	2930	U
206-44-0	fluoranthene	2930	U
129-00-0	pyrene	2930	U
85-68-7	butylbenzylphthalate	2930	U
91-94-1	3,3'-dichlorobenzidine	14700	U
56-55-3	benzo(a)anthracene	2930	U
218-01-9	chrysene	2930	U
117-81-7	bis(2-ethylhexyl)phthalate	2930	U
117-84-0	di-n-octylphthalate	2930	U
205-99-2	benzo(b)fluoranthene	2930	U
207-08-9	benzo(k)fluoranthene	2930	U
50-32-8	benzo(a)pyrene	2930	U
193-39-5	indeno(1,2,3-cd)pyrene	2930	U
53-70-3	dibenz(a,h)anthracene	2930	U
191-24-2	benzo(g,h,i)perylene	2930	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1F115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	2930	U
123-91-1	1,4-dioxane	2930	U
80-62-6	methyl methacrylate	2930	U
97-63-2	ethyl methacrylate	2930	U
109-06-8	2-picoline	2930	U
10595-95-6	n-nitrosomethylethylamine	2930	U
66-27-3	methyl methanesulfonate	2930	U
55-18-5	n-nitrosodiethylamine	2930	U
62-50-0	ethyl methanesulfonate	2930	U
76-01-7	pentachloroethane	2930	U
930-55-2	n-nitrosopyrrolidine	2930	U
59-89-2	n-nitrosomorpholine	2930	U
95-53-4	o-toluidine	2930	U
100-75-4	n-nitrosopiperdine	2930	U
122-09-8	a,a-dimethylphenethylamine	2930	U
126-68-1	triethylphosphorothioate	2930	U
87-65-0	2,6-dichlorophenol	2930	U
1888-71-7	hexachloropropene	2930	U
106-50-3	p-phenylenediamine	5870	U
924-16-3	n-nitroso-di-n-butylamine	2930	U
94-59-7	safrole	2930	U
634-90-2	1,2,4,5-tetrachlorobenzene	2930	U
120-58-1	isosafrole	2930	U
130-15-4	1,4-naphthoquinone	2930	U
99-65-0	m-dinitrobenzene	2930	U
608-93-5	pentachlorobenzene	2930	U
134-32-7	1-naphthylamine	2930	U
91-59-8	2-naphthylamine	2930	U
58-90-2	2,3,4,6-tetrachlorophenol	2930	U
99-55-8	5-nitro-o-toluidine	2930	U
297-97-2	thionazine	2930	U
122-39-4	diphenylamine	2930	U
3689-24-5	sulfotepp	2930	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1F115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/05/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	14700 ~~2930~~	U
62-44-2	phenacetin	2930	U
2303-16-4	diallate	2930	U
60-51-5	dimethoate	14700 ~~2930~~	U
92-67-1	4-aminobiphenyl	2930	U
82-68-8	pentachloronitrobenzene	2930	U
23950-58-5	pronamide	2930	U
88-85-7	dinoseb	2930	U
298-04-4	disulfoton	2930	U
56-57-5	4-nitroquinoline-1-oxide	2930	U
135-23-9	methapyrilene	14700 ~~2930~~	U
465-73-6	isodrin	2930	U
140-57-8	aramite	2930	U
143-50-0	kepone	2930	U
60-11-7	p-(dimethylamino)azobenzene	2930	U
510-15-6	chlorobenzilate	14700 ~~2930~~	U
119-93-7	3,3'-dimethylbenzidine	14700 ~~2930~~	U
52-85-7	famphur	2930	U
53-96-3	2-acetylaminofluorene	2930	U
57-97-6	7,12-dimethylbenz(a)anthracene	2930	U
59-49-5	3-methylcholanthrene	2930	U

DMM 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1E520

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	733	U
95-48-7	2-methylphenol	733	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	733	U
67-72-1	hexachloroethane	733	U
98-95-3	nitrobenzene	733	U
87-68-3	hexachlorobutadiene	733	U
88-06-2	2,4,6-trichlorophenol	733	U
95-95-4	2,4,5-trichlorophenol	733	U
121-14-2	2,4-dinitrotoluene	733	U
118-74-1	hexachlorobenzene	733	U
87-86-5	pentachlorophenol	733	U
62-53-3	aniline	733	U
108-95-2	phenol	733	U
111-44-4	bis(2-chloroethyl)ether	733	U
95-57-8	2-chlorophenol	733	U
541-73-1	1,3-dichlorobenzene	733	U
106-47-7	1,4-dichlorobenzene	733	U
100-51-6	benzyl alcohol	733	U
95-50-1	1,2-dichlorobenzene	733	U
98-86-2	acetophenone	733	U
621-64-7	N-nitroso-di-n-propylamine	733	U
78-59-1	isophorone	733	U
88-75-5	2-nitrophenol	733	U
105-67-9	2,4-dimethylphenol	733	U
111-91-1	bis(2-chloroethoxy)methane	733	U
120-83-2	2,4-dichlorophenol	733	U
120-82-1	1,2,4-trichlorobenzene	733	U
91-20-3	naphthalene	733	U
106-47-8	4-chloroaniline	733	U
59-50-7	4-chloro-3-methylphenol	733	U
91-57-6	2-methylnaphthalene	733	U
77-47-4	hexachlorocyclopentadiene	733	U
91-58-7	2-chloronaphthalene	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1E520

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	733	U
131-11-3	dimethylphthalate	733	U
209-96-8	acenaphthylene	733	U
606-20-2	2,6-dinitrotoluene	733	U
99-09-2	3-nitroaniline	733	U
83-32-9	acenaphthene	733	U
51-28-5	2,4-dinitrophenol	1470	U
132-64-9	dibenzofuran	733	U
100-02-7	4-nitrophenol	733	U
84-66-2	diethylphthalate	733	U
7005-72-3	4-chlorophenylphenylether	733	U
86-73-7	fluorene	733	U
100-01-6	4-nitroaniline	733	U
534-52-1	4,6-dinitro-2-methylphenol	733	U
86-30-6	N-nitroso-diphenylamine	733	U
101-55-3	4-bromophenylphenylether	733	U
85-01-8	phenanthrene	733	U
120-12-7	anthracene	733	U
84-74-2	di-n-butylphthalate	733	U
206-44-0	fluoranthene	733	U
129-00-0	pyrene	733	U
85-68-7	butylbenzylphthalate	733	U
91-94-1	3,3'-dichlorobenzidine	3670	U
56-55-3	benzo(a)anthracene	733	U
218-01-9	chrysene	733	U
117-81-7	bis(2-ethylhexyl)phthalate	733	U
117-84-0	di-n-octylphthalate	733	U
205-99-2	benzo(b)fluoranthene	733	U
207-08-9	benzo(k)fluoranthene	733	U
50-32-8	benzo(a)pyrene	733	U
193-39-5	indeno(1,2,3-cd)pyrene	733	U
53-70-3	dibenz(a,h)anthracene	733	U
191-24-2	benzo(g,h,i)perylene	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1E520

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	733	U
123-91-1	1,4-dioxane	733	U
80-62-6	methyl methacrylate	733	U
97-63-2	ethyl methacrylate	733	U
109-06-8	2-picoline	733	U
10595-95-6	n-nitrosomethylethylamine	733	U
66-27-3	methyl methanesulfonate	733	U
55-18-5	n-nitrosodiethylamine	733	U
62-50-0	ethyl methanesulfonate	733	U
76-01-7	pentachloroethane	733	U
930-55-2	n-nitrosopyrrolidine	733	U
59-89-2	n-nitrosomorpholine	733	U
95-53-4	o-toluidine	733	U
100-75-4	n-nitrosopiperdine	733	U
122-09-8	a,a-dimethylphenethylamine	733	U
126-68-1	triethylphosphorothioate	733	U
87-65-0	2,6-dichlorophenol	733	U
1888-71-7	hexachloropropene	733	U
106-50-3	p-phenylenediamine	1470	U
924-16-3	n-nitroso-di-n-butylamine	733	U
94-59-7	safrole	733	U
634-90-2	1,2,4,5-tetrachlorobenzene	733	U
120-58-1	isosafrole	733	U
130-15-4	1,4-naphthoquinone	733	U
99-65-0	m-dinitrobenzene	733	U
608-93-5	pentachlorobenzene	733	U
134-32-7	1-naphthylamine	733	U
91-59-8	2-naphthylamine	733	U
58-90-2	2,3,4,6-tetrachlorophenol	733	U
99-55-8	5-nitro-o-toluidine	733	U
297-97-2	thionazine	733	U
122-39-4	diphenylamine	733	U
3689-24-5	sulfotepp	733	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-4RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1E520

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 55 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	3670 ~~733~~	U
62-44-2	phenacetin	733	U
2303-16-4	diallate	733	U
60-51-5	dimethoate	3670 ~~733~~	U
92-67-1	4-aminobiphenyl	733	U
82-68-8	pentachloronitrobenzene	733	U
23950-58-5	pronamide	733	U
88-85-7	dinoseb	733	U
298-04-4	disulfoton	733	U
56-57-5	4-nitroquinoline-1-oxide	733	U
135-23-9	methapyrilene	3670 ~~733~~	U
465-73-6	isodrin	733	U
140-57-8	aramite	733	U
143-50-0	kepone	733	U
60-11-7	p-(dimethylamino)azobenzene	733	U
510-15-6	chlorobenzilate	3670 ~~733~~	U
119-93-7	3,3'-dimethylbenzidine	3670 ~~733~~	U
52-85-7	famphur	733	U
53-96-3	2-acetylaminofluorene	733	U
57-97-6	7,12-dimethylbenz(a)anthracene	733	U
59-49-5	3-methylcholanthrene	733	U

JMW 2/22/96

COMMENTS: SAMPLE WAS RERUN AT A DILUTION DUE TO THE INTERNAL STANDARD FAILING FOR THE SECOND TIME.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-5

ıb Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E221

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	474	U
95-48-7	2-methylphenol	474	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	474	U
67-72-1	hexachloroethane	474	U
98-95-3	nitrobenzene	474	U
87-68-3	hexachlorobutadiene	474	U
88-06-2	2,4,6-trichlorophenol	474	U
95-95-4	2,4,5-trichlorophenol	474	U
121-14-2	2,4-dinitrotoluene	474	U
118-74-1	hexachlorobenzene	474	U
87-86-5	pentachlorophenol	474	U
62-53-3	aniline	474	U
108-95-2	phenol	474	U
111-44-4	bis(2-chloroethyl)ether	474	U
95-57-8	2-chlorophenol	474	U
541-73-1	1,3-dichlorobenzene	474	U
106-46-7	1,4-dichlorobenzene	474	U
100-51-6	benzyl alcohol	474	U
95-50-1	1,2-dichlorobenzene	474	U
98-86-2	acetophenone	474	U
621-64-7	N-nitroso-di-n-propylamine	474	U
78-59-1	isophorone	474	U
88-75-5	2-nitrophenol	474	U
105-67-9	2,4-dimethylphenol	474	U
111-91-1	bis(2-chloroethoxy)methane	474	U
120-83-2	2,4-dichlorophenol	474	U
120-82-1	1,2,4-trichlorobenzene	474	U
91-20-3	naphthalene	474	U
106-47-8	4-chloroaniline	474	U
59-50-7	4-chloro-3-methylphenol	474	U
91-57-6	2-methylnaphthalene	474	U
77-47-4	hexachlorocyclopentadiene	474	U
91-58-7	2-chloronaphthalene	474	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E221

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	474	U
131-11-3	dimethylphthalate	474	U
209-96-8	acenaphthylene	474	U
606-20-2	2,6-dinitrotoluene	474	U
99-09-2	3-nitroaniline	474	U
83-32-9	acenaphthene	474	U
51-28-5	2,4-dinitrophenol	947	U
132-64-9	dibenzofuran	474	U
100-02-7	4-nitrophenol	474	U
84-66-2	diethylphthalate	474	U
7005-72-3	4-chlorophenylphenylether	474	U
86-73-7	fluorene	474	U
100-01-6	4-nitroaniline	474	U
534-52-1	4,6-dinitro-2-methylphenol	474	U
86-30-6	N-nitroso-diphenylamine	474	U
101-55-3	4-bromophenylphenylether	474	U
85-01-8	phenanthrene	474	U
120-12-7	anthracene	474	U
84-74-2	di-n-butylphthalate	474	U
206-44-0	fluoranthene	474	U
129-00-0	pyrene	474	U
85-68-7	butylbenzylphthalate	474	U
91-94-1	3,3'-dichlorobenzidine	2370	U
56-55-3	benzo(a)anthracene	474	U
218-01-9	chrysene	474	U
117-81-7	bis(2-ethylhexyl)phthalate	474	U
117-84-0	di-n-octylphthalate	474	U
205-99-2	benzo(b)fluoranthene	474	U
207-08-9	benzo(k)fluoranthene	474	U
50-32-8	benzo(a)pyrene	474	U
193-39-5	indeno(1,2,3-cd)pyrene	474	U
53-70-3	dibenz(a,h)anthracene	474	U
191-24-2	benzo(g,h,i)perylene	474	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E221

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	474	U
123-91-1	1,4-dioxane	474	U
80-62-6	methyl methacrylate	474	U
97-63-2	ethyl methacrylate	474	U
109-06-8	2-picoline	474	U
10595-95-6	n-nitrosomethylethylamine	474	U
66-27-3	methyl methanesulfonate	474	U
55-18-5	n-nitrosodiethylamine	474	U
62-50-0	ethyl methanesulfonate	474	U
76-01-7	pentachloroethane	474	U
930-55-2	n-nitrosopyrrolidine	474	U
59-89-2	n-nitrosomorpholine	474	U
95-53-4	o-toluidine	474	U
100-75-4	n-nitrosopiperdine	474	U
122-09-8	a,a-dimethylphenethylamine	474	U
126-68-1	triethylphosphorothioate	474	U
87-65-0	2,6-dichlorophenol	474	U
1888-71-7	hexachloropropene	474	U
106-50-3	p-phenylenediamine	947	U
924-16-3	n-nitroso-di-n-butylamine	474	U
94-59-7	safrole	474	U
634-90-2	1,2,4,5-tetrachlorobenzene	474	U
120-58-1	isosafrole	474	U
130-15-4	1,4-naphthoquinone	474	U
99-65-0	m-dinitrobenzene	474	U
608-93-5	pentachlorobenzene	474	U
134-32-7	1-naphthylamine	474	U
91-59-8	2-naphthylamine	474	U
58-90-2	2,3,4,6-tetrachlorophenol	474	U
99-55-8	5-nitro-o-toluidine	474	U
297-97-2	thionazine	474	U
122-39-4	diphenylamine	474	U
3689-24-5	sulfotepp	474	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4E221

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/26/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2370 ~~474~~	U
62-44-2	phenacetin	474	U
2303-16-4	diallate	474	U
60-51-5	dimethoate	2370 ~~474~~	U
92-67-1	4-aminobiphenyl	474	U
82-68-8	pentachloronitrobenzene	474	U
23950-58-5	pronamide	474	U
88-85-7	dinoseb	947	U
298-04-4	disulfoton	474	U
56-57-5	4-nitroquinoline-1-oxide	947	U
135-23-9	methapyrilene	2370 ~~474~~	U
465-73-6	isodrin	474	U
140-57-8	aramite	947	U
143-50-0	kepone	474	U
60-11-7	p-(dimethylamino)azobenzene	474	U
510-15-6	chlorobenzilate	2370 ~~474~~	U
119-93-7	3,3'-dimethylbenzidine	2370	U
52-85-7	famphur	474	U
53-96-3	2-acetylaminofluorene	474	U
57-97-6	7,12-dimethylbenz(a)anthracene	474	U
59-49-5	3-methylcholanthrene	474	U

JMW 2/22/96

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61335S
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatiles using EPA SW-846 Method 8240:

Sample Description	Laboratory Identification
S1SS-6	9601335-01
S1SS-5	9601335-02
SISS-7	9601335-03
S1DPSS-1	9601335-04
S1SS-4	9601335-05
S9SS-1	9601335-06
S9SS-2	9601335-07
S9SS-3	9601335-08
S9SS-4	9601335-09
S9SS-5	9601335-10
S9DPSS-1	9601335-11
S9SB-1	9601335-12
S9SB-2	9601335-13
S9SB-3	9601335-14
S9SB-4	9601335-15
S9SB-5	9601335-16
S9DPSB-01	9601335-17
Blank	QC337143
Laboratory Control Sample (LCS)	QC337146
S1SS-4 Post Spike (PS)	QC337144
S1SS-4 Post Spike Duplicate (PSD)	QC337145

Instrument Tune

The mass spectrometer met all criteria for the tuning compound bromofluorobenzene.

Instrument Calibration

Initial and continuing instrument calibration criteria established in the methodology were met for all analyses.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

Surrogate spiking compounds associated with these samples did not meet the recovery criteria due to the high organic matter content of the samples. Since both the initial runs and the re-runs failed internal standard recovery criteria, matrix interference was confirmed. Data from both of the runs is reported on the forms and EDD. The extracted samples S9SB-1, S9SB-2, and S9DPSB-01 did not experience matrix interference, and therefore, passed surrogate recovery.

Internal Standards

Internal standards for these samples did not pass acceptance criteria due to the high organic matter content of the samples. The extracted samples S9SB-1, S9SB-2, and S9DPSB-01 did not experience matrix interference, and therefore, passed internal standard acceptance criteria.

Blank Analysis

The instrument blank had a hit of Methylene Chloride at a level below the PQL.

Spike Analysis

The PS and PSD analyzed met recommended quality control limits for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Sample S9SB-2 was analyzed at a 100x dilution and samples S9SB-1 and S9DPDPSB-01 were analyzed at a 500x dilutions due to strong odor. Sample S9SB-3 was analyzed at a 5x dilution due to a high concentration of Acetone.

Additional Comments

The samples were analyzed using a capillary column.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S413

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 12 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.3	U
74-83-9	bromomethane	2.3	U
75-01-4	vinyl chloride	2.3	U
75-00-3	chloroethane	2.3	U
75-09-2	methylene chloride	3.1	
67-64-1	acetone	5.7	U
75-15-0	carbon disulfide	5.7	U
75-35-4	1,1-dichloroethene	2.3	U
75-34-3	1,1-dichloroethane	2.3	U
156-60-5	trans-1,2-dichloroethene	2.3	U
67-66-3	chloroform	2.3	U
107-06-2	1,2-dichloroethane	2.3	U
78-93-3	2-butanone	5.7	U
71-55-6	1,1,1-trichloroethane	2.3	U
56-23-5	carbon tetrachloride	2.3	U
75-27-4	bromodichloromethane	2.3	U
78-87-5	1,2-dichloropropane	2.3	U
10061-01-5	cis-1,3-dichloropropene	2.3	U
79-01-6	trichloroethene	2.3	U
124-48-1	dibromochloromethane	2.3	U
79-00-5	1,1,2-trichloroethane	2.3	U
71-43-2	benzene	2.3	U
10061-02-6	trans-1,3-dichloropropene	2.3	U
75-25-2	bromoform	2.3	U
108-10-1	4-methyl-2-pentanone	5.7	U
591-78-6	2-hexanone	5.7	U
127-18-4	tetrachloroethene	2.3	U
79-34-5	1,1,2,2-tetrachloroethane	2.3	U
108-88-3	toluene	2.1	J
108-90-7	chlorobenzene	2.3	U
100-41-4	ethylbenzene	0.31	J
100-42-5	styrene	2.3	U
75-71-8	Dichlorodifluoromethane	2.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S413

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 12 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.3	U
107-13-1	Acrylonitrile	22.7	U
108-05-4	Vinyl Acetate	5.7	U
107-02-8	Acrolein	22.7	U
74-88-4	Iodomethane	5.7	U
75-05-8	Acetonitrile	11.4	U
107-05-1	Allyl Chloride	11.4	U
126-99-8	2-Chloro-1,3-butadiene	2.3	U
126-98-7	Methacrylonitrile	11.4	U
78-83-1	Isobutyl Alcohol	22.7	U
107-12-0	Propionitrile	22.7	U
74-95-3	Dibromomethane	2.3	U
80-62-6	Methyl methacrylate	11.4	U
106-93-4	1,2-Dibromoethane	2.3	U
630-20-6	1,1,1,2-Tetrachloroethane	2.3	U
96-18-4	1,2,3-Trichloropropane	2.3	U
110-57-6	trans-1,4-Dichloro-2-butene	11.4	U
108-60-1	bis(2-Chloro-isopropyl)ether	22.7	U
----------	xylenes (total)	6.9	U
96-12-8	1,2-dibromo-3-chloropropane	2.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T108

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 12 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.3	U
74-83-9	bromomethane	2.3	U
75-01-4	vinyl chloride	2.3	U
75-00-3	chloroethane	2.3	U
75-09-2	methylene chloride	3.2	B
67-64-1	acetone	5.7	U
75-15-0	carbon disulfide	5.7	U
75-35-4	1,1-dichloroethene	2.3	U
75-34-3	1,1-dichloroethane	2.3	U
156-60-5	trans-1,2-dichloroethene	2.3	U
67-66-3	chloroform	2.3	U
107-06-2	1,2-dichloroethane	2.3	U
78-93-3	2-butanone	5.7	U
71-55-6	1,1,1-trichloroethane	2.3	U
56-23-5	carbon tetrachloride	2.3	U
75-27-4	bromodichloromethane	2.3	U
78-87-5	1,2-dichloropropane	2.3	U
10061-01-5	cis-1,3-dichloropropene	2.3	U
79-01-6	trichloroethene	2.3	U
124-48-1	dibromochloromethane	2.3	U
79-00-5	1,1,2-trichloroethane	2.3	U
71-43-2	benzene	2.3	U
10061-02-6	trans-1,3-dichloropropene	2.3	U
75-25-2	bromoform	2.3	U
108-10-1	4-methyl-2-pentanone	5.7	U
591-78-6	2-hexanone	5.7	U
127-18-4	tetrachloroethene	2.3	U
79-34-5	1,1,2,2-tetrachloroethane	2.3	U
108-88-3	toluene	2.3	U
108-90-7	chlorobenzene	2.3	U
100-41-4	ethylbenzene	2.3	U
100-42-5	styrene	2.3	U
75-71-8	Dichlorodifluoromethane	2.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPSS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T108

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 12 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.3	U
107-13-1	Acrylonitrile	22.7	U
108-05-4	Vinyl Acetate	5.7	U
107-02-8	Acrolein	22.7	U
74-88-4	Iodomethane	5.7	U
75-05-8	Acetonitrile	11.4	U
107-05-1	Allyl Chloride	11.4	U
126-99-8	2-Chloro-1,3-butadiene	2.3	U
126-98-7	Methacrylonitrile	11.4	U
78-83-1	Isobutyl Alcohol	22.7	U
107-12-0	Propionitrile	22.7	U
74-95-3	Dibromomethane	2.3	U
80-62-6	Methyl methacrylate	11.4	U
106-93-4	1,2-Dibromoethane	2.3	U
630-20-6	1,1,1,2-Tetrachloroethane	2.3	U
96-18-4	1,2,3-Trichloropropane	2.3	U
110-57-6	trans-1,4-Dichloro-2-butene	11.4	U
108-60-1	bis(2-Chloro-isopropyl)ether	22.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.3	U
	xylenes (total)	6.9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S405

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.6	U
74-83-9	bromomethane	2.6	U
75-01-4	vinyl chloride	2.6	U
75-00-3	chloroethane	2.6	U
75-09-2	methylene chloride	0.35	J
67-64-1	acetone	0.76	J
75-15-0	carbon disulfide	6.5	U
75-35-4	1,1-dichloroethene	2.6	U
75-34-3	1,1-dichloroethane	2.6	U
156-60-5	trans-1,2-dichloroethene	2.6	U
67-66-3	chloroform	2.6	U
107-06-2	1,2-dichloroethane	2.6	U
78-93-3	2-butanone	6.5	U
71-55-6	1,1,1-trichloroethane	2.6	U
56-23-5	carbon tetrachloride	2.6	U
75-27-4	bromodichloromethane	2.6	U
78-87-5	1,2-dichloropropane	2.6	U
10061-01-5	cis-1,3-dichloropropene	2.6	U
79-01-6	trichloroethene	2.6	U
124-48-1	dibromochloromethane	2.6	U
79-00-5	1,1,2-trichloroethane	2.6	U
71-43-2	benzene	2.6	U
10061-02-6	trans-1,3-dichloropropene	2.6	U
75-25-2	bromoform	2.6	U
108-10-1	4-methyl-2-pentanone	6.5	U
591-78-6	2-hexanone	6.5	U
127-18-4	tetrachloroethene	2.6	U
79-34-5	1,1,2,2-tetrachloroethane	2.6	U
108-88-3	toluene	1.4	J
108-90-7	chlorobenzene	2.6	U
100-41-4	ethylbenzene	0.31	J
100-42-5	styrene	2.6	U
75-71-8	Dichlorodifluoromethane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S405

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.6	U
107-13-1	Acrylonitrile	26.0	U
108-05-4	Vinyl Acetate	6.5	U
107-02-8	Acrolein	26.0	U
74-88-4	Iodomethane	6.5	U
75-05-8	Acetonitrile	13.0	U
107-05-1	Allyl Chloride	13.0	U
126-99-8	2-Chloro-1,3-butadiene	2.6	U
126-98-7	Methacrylonitrile	13.0	U
78-83-1	Isobutyl Alcohol	26.0	U
107-12-0	Propionitrile	26.0	U
74-95-3	Dibromomethane	2.6	U
80-62-6	Methyl methacrylate	13.0	U
106-93-4	1,2-Dibromoethane	2.6	U
630-20-6	1,1,1,2-Tetrachloroethane	2.6	U
96-18-4	1,2,3-Trichloropropane	2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	13.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	26.0	U
----------	xylenes (total)	7.8	U
96-12-8	1,2-dibromo-3-chloropropane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S411

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 16 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.4	U
74-83-9	bromomethane	2.4	U
75-01-4	vinyl chloride	2.4	U
75-00-3	chloroethane	2.4	U
75-09-2	methylene chloride	3.8	
67-64-1	acetone	6.0	U
75-15-0	carbon disulfide	6.0	U
75-35-4	1,1-dichloroethene	2.4	U
75-34-3	1,1-dichloroethane	2.4	U
156-60-5	trans-1,2-dichloroethene	2.4	U
67-66-3	chloroform	2.4	U
107-06-2	1,2-dichloroethane	2.4	U
78-93-3	2-butanone	6.0	U
71-55-6	1,1,1-trichloroethane	2.4	U
56-23-5	carbon tetrachloride	2.4	U
75-27-4	bromodichloromethane	2.4	U
78-87-5	1,2-dichloropropane	2.4	U
10061-01-5	cis-1,3-dichloropropene	2.4	U
79-01-6	trichloroethene	2.4	U
124-48-1	dibromochloromethane	2.4	U
79-00-5	1,1,2-trichloroethane	2.4	U
71-43-2	benzene	2.4	U
10061-02-6	trans-1,3-dichloropropene	2.4	U
75-25-2	bromoform	2.4	U
108-10-1	4-methyl-2-pentanone	6.0	U
591-78-6	2-hexanone	6.0	U
127-18-4	tetrachloroethene	2.4	U
79-34-5	1,1,2,2-tetrachloroethane	2.4	U
108-88-3	toluene	2.4	
108-90-7	chlorobenzene	2.4	U
100-41-4	ethylbenzene	0.40	J
100-42-5	styrene	2.4	U
75-71-8	Dichlorodifluoromethane	2.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S411

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 16 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.4	U
107-13-1	Acrylonitrile	23.8	U
108-05-4	Vinyl Acetate	6.0	U
107-02-8	Acrolein	23.8	U
74-88-4	Iodomethane	6.0	U
75-05-8	Acetonitrile	11.9	U
107-05-1	Allyl Chloride	11.9	U
126-99-8	2-Chloro-1,3-butadiene	2.4	U
126-98-7	Methacrylonitrile	11.9	U
78-83-1	Isobutyl Alcohol	23.8	U
107-12-0	Propionitrile	23.8	U
74-95-3	Dibromomethane	2.4	U
80-62-6	Methyl methacrylate	11.9	U
106-93-4	1,2-Dibromoethane	2.4	U
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U
96-18-4	1,2,3-Trichloropropane	2.4	U
110-57-6	trans-1,4-Dichloro-2-butene	11.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	23.8	U
----------	xylenes (total)	7.2	U
96-12-8	1,2-dibromo-3-chloropropane	2.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T106

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 16 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.4	U
74-83-9	bromomethane	2.4	U
75-01-4	vinyl chloride	2.4	U
75-00-3	chloroethane	2.4	U
75-09-2	methylene chloride	3.4	B
67-64-1	acetone	6.0	U
75-15-0	carbon disulfide	6.0	U
75-35-4	1,1-dichloroethene	2.4	U
75-34-3	1,1-dichloroethane	2.4	U
156-60-5	trans-1,2-dichloroethene	2.4	U
67-66-3	chloroform	2.4	U
107-06-2	1,2-dichloroethane	2.4	U
78-93-3	2-butanone	6.0	U
71-55-6	1,1,1-trichloroethane	2.4	U
56-23-5	carbon tetrachloride	2.4	U
75-27-4	bromodichloromethane	2.4	U
78-87-5	1,2-dichloropropane	2.4	U
10061-01-5	cis-1,3-dichloropropene	2.4	U
79-01-6	trichloroethene	2.4	U
124-48-1	dibromochloromethane	2.4	U
79-00-5	1,1,2-trichloroethane	2.4	U
71-43-2	benzene	2.4	U
10061-02-6	trans-1,3-dichloropropene	2.4	U
75-25-2	bromoform	2.4	U
108-10-1	4-methyl-2-pentanone	6.0	U
591-78-6	2-hexanone	6.0	U
127-18-4	tetrachloroethene	2.4	U
79-34-5	1,1,2,2-tetrachloroethane	2.4	U
108-88-3	toluene	2.4	U
108-90-7	chlorobenzene	2.4	U
100-41-4	ethylbenzene	2.4	U
100-42-5	styrene	2.4	U
75-71-8	Dichlorodifluoromethane	2.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T106

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 16 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.4	U
107-13-1	Acrylonitrile	23.8	U
108-05-4	Vinyl Acetate	6.0	U
107-02-8	Acrolein	23.8	U
74-88-4	Iodomethane	6.0	U
75-05-8	Acetonitrile	11.9	U
107-05-1	Allyl Chloride	11.9	U
126-99-8	2-Chloro-1,3-butadiene	2.4	U
126-98-7	Methacrylonitrile	11.9	U
78-83-1	Isobutyl Alcohol	23.8	U
107-12-0	Propionitrile	23.8	U
74-95-3	Dibromomethane	2.4	U
80-62-6	Methyl methacrylate	11.9	U
106-93-4	1,2-Dibromoethane	2.4	U
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U
96-18-4	1,2,3-Trichloropropane	2.4	U
110-57-6	trans-1,4-Dichloro-2-butene	11.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	23.8	U
96-12-8	1,2-dibromo-3-chloropropane	2.4	U
	xylenes (total)	7.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S410

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.6	U
74-83-9	bromomethane	2.6	U
75-01-4	vinyl chloride	2.6	U
75-00-3	chloroethane	2.6	U
75-09-2	methylene chloride	0.88	J
67-64-1	acetone	6.5	U
75-15-0	carbon disulfide	6.5	U
75-35-4	1,1-dichloroethene	2.6	U
75-34-3	1,1-dichloroethane	2.6	U
156-60-5	trans-1,2-dichloroethene	2.6	U
67-66-3	chloroform	2.6	U
107-06-2	1,2-dichloroethane	2.6	U
78-93-3	2-butanone	6.5	U
71-55-6	1,1,1-trichloroethane	2.6	U
56-23-5	carbon tetrachloride	2.6	U
75-27-4	bromodichloromethane	2.6	U
78-87-5	1,2-dichloropropane	2.6	U
10061-01-5	cis-1,3-dichloropropene	2.6	U
79-01-6	trichloroethene	2.6	U
124-48-1	dibromochloromethane	0.44	J
79-00-5	1,1,2-trichloroethane	2.6	U
71-43-2	benzene	2.6	U
10061-02-6	trans-1,3-dichloropropene	2.6	U
75-25-2	bromoform	2.6	U
108-10-1	4-methyl-2-pentanone	6.5	U
591-78-6	2-hexanone	0.70	J
127-18-4	tetrachloroethene	2.6	U
79-34-5	1,1,2,2-tetrachloroethane	1.0	J
108-88-3	toluene	7.4	
108-90-7	chlorobenzene	2.6	U
100-41-4	ethylbenzene	1.6	J
100-42-5	styrene	2.6	U
75-71-8	Dichlorodifluoromethane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S410

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.6	U
107-13-1	Acrylonitrile	26.0	U
108-05-4	Vinyl Acetate	6.5	U
107-02-8	Acrolein	26.0	U
74-88-4	Iodomethane	6.5	U
75-05-8	Acetonitrile	13.0	U
107-05-1	Allyl Chloride	13.0	U
126-99-8	2-Chloro-1,3-butadiene	2.6	U
126-98-7	Methacrylonitrile	13.0	U
78-83-1	Isobutyl Alcohol	26.0	U
107-12-0	Propionitrile	26.0	U
74-95-3	Dibromomethane	2.6	U
80-62-6	Methyl methacrylate	13.0	U
106-93-4	1,2-Dibromoethane	2.6	U
630-20-6	1,1,1,2-Tetrachloroethane	2.6	U
96-18-4	1,2,3-Trichloropropane	2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	13.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	6.2	J
----------	xylenes (total)	7.8	U
96-12-8	1,2-dibromo-3-chloropropane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS6CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T104

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.6	U
74-83-9	bromomethane	2.6	U
75-01-4	vinyl chloride	2.6	U
75-00-3	chloroethane	2.6	U
75-09-2	methylene chloride	2.0	BJ
67-64-1	acetone	6.5	U
75-15-0	carbon disulfide	6.5	U
75-35-4	1,1-dichloroethene	2.6	U
75-34-3	1,1-dichloroethane	2.6	U
156-60-5	trans-1,2-dichloroethene	2.6	U
67-66-3	chloroform	2.6	U
107-06-2	1,2-dichloroethane	2.6	U
78-93-3	2-butanone	6.5	U
71-55-6	1,1,1-trichloroethane	2.6	U
56-23-5	carbon tetrachloride	2.6	U
75-27-4	bromodichloromethane	2.6	U
78-87-5	1,2-dichloropropane	2.6	U
10061-01-5	cis-1,3-dichloropropene	2.6	U
79-01-6	trichloroethene	2.6	U
124-48-1	dibromochloromethane	0.41	J
79-00-5	1,1,2-trichloroethane	2.6	U
71-43-2	benzene	2.6	U
10061-02-6	trans-1,3-dichloropropene	2.6	U
75-25-2	bromoform	0.84	J
108-10-1	4-methyl-2-pentanone	6.5	U
591-78-6	2-hexanone	0.78	J
127-18-4	tetrachloroethene	2.6	U
79-34-5	1,1,2,2-tetrachloroethane	0.89	J
108-88-3	toluene	2.6	U
108-90-7	chlorobenzene	2.6	U
100-41-4	ethylbenzene	2.6	U
100-42-5	styrene	2.6	U
75-71-8	Dichlorodifluoromethane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS6CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T104

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 23 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.6	U
107-13-1	Acrylonitrile	26.0	U
108-05-4	Vinyl Acetate	6.5	U
107-02-8	Acrolein	26.0	U
74-88-4	Iodomethane	6.5	U
75-05-8	Acetonitrile	13.0	U
107-05-1	Allyl Chloride	13.0	U
126-99-8	2-Chloro-1,3-butadiene	2.6	U
126-98-7	Methacrylonitrile	13.0	U
78-83-1	Isobutyl Alcohol	26.0	U
107-12-0	Propionitrile	26.0	U
74-95-3	Dibromomethane	2.6	U
80-62-6	Methyl methacrylate	13.0	U
106-93-4	1,2-Dibromoethane	2.6	U
630-20-6	1,1,1,2-Tetrachloroethane	2.6	U
96-18-4	1,2,3-Trichloropropane	2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	13.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	5.7	J
96-12-8	1,2-dibromo-3-chloropropane	2.6	U
	xylenes (total)	7.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS7

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S412

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 19 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	2.4	J
67-64-1	acetone	6.2	U
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	2.5	U
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.7	
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	0.34	J
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS7

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S412

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 19 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.6	J
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
----------	xylenes (total)	7.5	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS7CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T107

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	2.8	B
67-64-1	acetone	6.2	U
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	2.5	U
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	0.48	J
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SS7CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T107

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U
	xylenes (total)	7.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB01MD0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S425

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____40(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	1230	U
74-83-9	bromomethane	1230	U
75-01-4	vinyl chloride	1230	U
75-00-3	chloroethane	1230	U
75-09-2	methylene chloride	1230	U
67-64-1	acetone	3090	U
75-15-0	carbon disulfide	3090	U
75-35-4	1,1-dichloroethene	1230	U
75-34-3	1,1-dichloroethane	1230	U
156-60-5	trans-1,2-dichloroethene	1230	U
67-66-3	chloroform	1230	U
107-06-2	1,2-dichloroethane	1230	U
78-93-3	2-butanone	3090	U
71-55-6	1,1,1-trichloroethane	1230	U
56-23-5	carbon tetrachloride	1230	U
75-27-4	bromodichloromethane	1230	U
78-87-5	1,2-dichloropropane	1230	U
10061-01-5	cis-1,3-dichloropropene	1230	U
79-01-6	trichloroethene	1230	U
124-48-1	dibromochloromethane	1230	U
79-00-5	1,1,2-trichloroethane	1230	U
71-43-2	benzene	1230	U
10061-02-6	trans-1,3-dichloropropene	1230	U
75-25-2	bromoform	1230	U
108-10-1	4-methyl-2-pentanone	3090	U
591-78-6	2-hexanone	3090	U
127-18-4	tetrachloroethene	1230	U
79-34-5	1,1,2,2-tetrachloroethane	1230	U
108-88-3	toluene	1230	U
108-90-7	chlorobenzene	1230	U
100-41-4	ethylbenzene	1230	U
100-42-5	styrene	1230	U
75-71-8	Dichlorodifluoromethane	1230	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB01MD0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S425

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____40(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	1230	U
107-13-1	Acrylonitrile	12300	U
108-05-4	Vinyl Acetate	3090	U
107-02-8	Acrolein	12300	U
74-88-4	Iodomethane	3090	U
75-05-8	Acetonitrile	6170	U
107-05-1	Allyl Chloride	6170	U
126-99-8	2-Chloro-1,3-butadiene	1230	U
126-98-7	Methacrylonitrile	6170	U
78-83-1	Isobutyl Alcohol	12300	U
107-12-0	Propionitrile	12300	U
74-95-3	Dibromomethane	1230	U
80-62-6	Methyl methacrylate	6170	U
106-93-4	1,2-Dibromoethane	1230	U
630-20-6	1,1,1,2-Tetrachloroethane	1230	U
96-18-4	1,2,3-Trichloropropane	1230	U
110-57-6	trans-1,4-Dichloro-2-butene	6170	U
108-60-1	bis(2-Chloro-isopropyl)ether	12300	U
----------	xylenes (total)	3690	U
96-12-8	1,2-dibromo-3-chloropropane	1230	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB01MD0CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T121

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 40 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	1230	U
74-83-9	bromomethane	1230	U
75-01-4	vinyl chloride	1230	U
75-00-3	chloroethane	1230	U
75-09-2	methylene chloride	672	BJ
67-64-1	acetone	2430	J
75-15-0	carbon disulfide	3090	U
75-35-4	1,1-dichloroethene	1230	U
75-34-3	1,1-dichloroethane	1230	U
156-60-5	trans-1,2-dichloroethene	1230	U
67-66-3	chloroform	1230	U
107-06-2	1,2-dichloroethane	1230	U
78-93-3	2-butanone	3090	U
71-55-6	1,1,1-trichloroethane	1230	U
56-23-5	carbon tetrachloride	1230	U
75-27-4	bromodichloromethane	1230	U
78-87-5	1,2-dichloropropane	1230	U
10061-01-5	cis-1,3-dichloropropene	1230	U
79-01-6	trichloroethene	1230	U
124-48-1	dibromochloromethane	1230	U
79-00-5	1,1,2-trichloroethane	1230	U
71-43-2	benzene	1230	U
10061-02-6	trans-1,3-dichloropropene	1230	U
75-25-2	bromoform	1230	U
108-10-1	4-methyl-2-pentanone	3090	U
591-78-6	2-hexanone	3090	U
127-18-4	tetrachloroethene	1230	U
79-34-5	1,1,2,2-tetrachloroethane	1230	U
108-88-3	toluene	1230	U
108-90-7	chlorobenzene	1230	U
100-41-4	ethylbenzene	1230	U
100-42-5	styrene	1230	U
75-71-8	Dichlorodifluoromethane	1230	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSB01MD0

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T121

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20(uL) Soil Aliquot Volume: 40(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	1230	U
107-13-1	Acrylonitrile	12300	U
108-05-4	Vinyl Acetate	3090	U
107-02-8	Acrolein	12300	U
74-88-4	Iodomethane	3090	U
75-05-8	Acetonitrile	6170	U
107-05-1	Allyl Chloride	6170	U
126-99-8	2-Chloro-1,3-butadiene	1230	U
126-98-7	Methacrylonitrile	6170	U
78-83-1	Isobutyl Alcohol	12300	U
107-12-0	Propionitrile	12300	U
74-95-3	Dibromomethane	1230	U
80-62-6	Methyl methacrylate	6170	U
106-93-4	1,2-Dibromoethane	1230	U
630-20-6	1,1,1,2-Tetrachloroethane	1230	U
96-18-4	1,2,3-Trichloropropane	1230	U
110-57-6	trans-1,4-Dichloro-2-butene	6170	U
108-60-1	bis(2-Chloro-isopropyl)ether	12300	U
96-12-8	1,2-dibromo-3-chloropropane	1230	U
	xylenes (total)	3690	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S419

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.7	U
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	2.7	U
67-64-1	acetone	6.7	U
75-15-0	carbon disulfide	6.7	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.7	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	2.7	U
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.7	U
591-78-6	2-hexanone	6.7	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	2.7	U
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S419

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	26.7	U
108-05-4	Vinyl Acetate	6.7	U
107-02-8	Acrolein	26.7	U
74-88-4	Iodomethane	6.7	U
75-05-8	Acetonitrile	13.3	U
107-05-1	Allyl Chloride	13.3	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.3	U
78-83-1	Isobutyl Alcohol	26.7	U
107-12-0	Propionitrile	26.7	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	13.3	U
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	26.7	U
----------	xylenes (total)	8.1	U
96-12-8	1,2-dibromo-3-chloropropane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T116

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.7	U
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	1.6	BJ
67-64-1	acetone	6.7	U
75-15-0	carbon disulfide	6.7	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.7	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	2.7	U
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.7	U
591-78-6	2-hexanone	6.7	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	2.7	U
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-11

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T116

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	26.7	U
108-05-4	Vinyl Acetate	6.7	U
107-02-8	Acrolein	26.7	U
74-88-4	Iodomethane	6.7	U
75-05-8	Acetonitrile	13.3	U
107-05-1	Allyl Chloride	13.3	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.3	U
78-83-1	Isobutyl Alcohol	26.7	U
107-12-0	Propionitrile	26.7	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	13.3	U
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	26.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.7	U
----------	xylenes (total)	8.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB1MDO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S420

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 40 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	1230	U
74-83-9	bromomethane	1230	U
75-01-4	vinyl chloride	1230	U
75-00-3	chloroethane	1230	U
75-09-2	methylene chloride	58.9	J
67-64-1	acetone	3090	U
75-15-0	carbon disulfide	3090	U
75-35-4	1,1-dichloroethene	1230	U
75-34-3	1,1-dichloroethane	1230	U
156-60-5	trans-1,2-dichloroethene	1230	U
67-66-3	chloroform	1230	U
107-06-2	1,2-dichloroethane	1230	U
78-93-3	2-butanone	3090	U
71-55-6	1,1,1-trichloroethane	1230	U
56-23-5	carbon tetrachloride	1230	U
75-27-4	bromodichloromethane	1230	U
78-87-5	1,2-dichloropropane	1230	U
10061-01-5	cis-1,3-dichloropropene	1230	U
79-01-6	trichloroethene	1230	U
124-48-1	dibromochloromethane	1230	U
79-00-5	1,1,2-trichloroethane	1230	U
71-43-2	benzene	1230	U
10061-02-6	trans-1,3-dichloropropene	1230	U
75-25-2	bromoform	1230	U
108-10-1	4-methyl-2-pentanone	3090	U
591-78-6	2-hexanone	3090	U
127-18-4	tetrachloroethene	1230	U
79-34-5	1,1,2,2-tetrachloroethane	1230	U
108-88-3	toluene	1230	U
108-90-7	chlorobenzene	1230	U
100-41-4	ethylbenzene	1230	U
100-42-5	styrene	1230	U
75-71-8	Dichlorodifluoromethane	1230	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB1MDO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-12

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S420

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 40 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	1230	U
107-13-1	Acrylonitrile	12300	U
108-05-4	Vinyl Acetate	3090	U
107-02-8	Acrolein	12300	U
74-88-4	Iodomethane	3090	U
75-05-8	Acetonitrile	6170	U
107-05-1	Allyl Chloride	6170	U
126-99-8	2-Chloro-1,3-butadiene	1230	U
126-98-7	Methacrylonitrile	6170	U
78-83-1	Isobutyl Alcohol	12300	U
107-12-0	Propionitrile	12300	U
74-95-3	Dibromomethane	1230	U
80-62-6	Methyl methacrylate	6170	U
106-93-4	1,2-Dibromoethane	1230	U
630-20-6	1,1,1,2-Tetrachloroethane	1230	U
96-18-4	1,2,3-Trichloropropane	1230	U
110-57-6	trans-1,4-Dichloro-2-butene	6170	U
108-60-1	bis(2-Chloro-isopropyl)ether	12300	U
96-12-8	1,2-dibromo-3-chloropropane	1230	U
	xylenes (total)	3690	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB2MDO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S421

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 40 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	1250	U
74-83-9	bromomethane	1250	U
75-01-4	vinyl chloride	1250	U
75-00-3	chloroethane	1250	U
75-09-2	methylene chloride	1250	U
67-64-1	acetone	3120	U
75-15-0	carbon disulfide	3120	U
75-35-4	1,1-dichloroethene	1250	U
75-34-3	1,1-dichloroethane	1250	U
156-60-5	trans-1,2-dichloroethene	1250	U
67-66-3	chloroform	1250	U
107-06-2	1,2-dichloroethane	1250	U
78-93-3	2-butanone	3120	U
71-55-6	1,1,1-trichloroethane	1250	U
56-23-5	carbon tetrachloride	1250	U
75-27-4	bromodichloromethane	1250	U
78-87-5	1,2-dichloropropane	1250	U
10061-01-5	cis-1,3-dichloropropene	1250	U
79-01-6	trichloroethene	1250	U
124-48-1	dibromochloromethane	1250	U
79-00-5	1,1,2-trichloroethane	1250	U
71-43-2	benzene	1250	U
10061-02-6	trans-1,3-dichloropropene	1250	U
75-25-2	bromoform	1250	U
108-10-1	4-methyl-2-pentanone	3120	U
591-78-6	2-hexanone	3120	U
127-18-4	tetrachloroethene	1250	U
79-34-5	1,1,2,2-tetrachloroethane	1250	U
108-88-3	toluene	1250	U
108-90-7	chlorobenzene	1250	U
100-41-4	ethylbenzene	1250	U
100-42-5	styrene	1250	U
75-71-8	Dichlorodifluoromethane	1250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB2MDO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S421

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 40 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	1250	U
107-13-1	Acrylonitrile	12500	U
108-05-4	Vinyl Acetate	3120	U
107-02-8	Acrolein	12500	U
74-88-4	Iodomethane	3120	U
75-05-8	Acetonitrile	6250	U
107-05-1	Allyl Chloride	6250	U
126-99-8	2-Chloro-1,3-butadiene	1250	U
126-98-7	Methacrylonitrile	6250	U
78-83-1	Isobutyl Alcohol	12500	U
107-12-0	Propionitrile	12500	U
74-95-3	Dibromomethane	1250	U
80-62-6	Methyl methacrylate	6250	U
106-93-4	1,2-Dibromoethane	1250	U
630-20-6	1,1,1,2-Tetrachloroethane	1250	U
96-18-4	1,2,3-Trichloropropane	1250	U
110-57-6	trans-1,4-Dichloro-2-butene	6250	U
108-60-1	bis(2-Chloro-isopropyl)ether	12500	U
96-12-8	1,2-dibromo-3-chloropropane	1250	U
	xylenes (total)	3750	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB2MD0CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T117

Level: (low/med) MED Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 200 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	250	U
74-83-9	bromomethane	250	U
75-01-4	vinyl chloride	250	U
75-00-3	chloroethane	250	U
75-09-2	methylene chloride	171	BJ
67-64-1	acetone	625	U
75-15-0	carbon disulfide	625	U
75-35-4	1,1-dichloroethene	250	U
75-34-3	1,1-dichloroethane	250	U
156-60-5	trans-1,2-dichloroethene	250	U
67-66-3	chloroform	250	U
107-06-2	1,2-dichloroethane	250	U
78-93-3	2-butanone	625	U
71-55-6	1,1,1-trichloroethane	250	U
56-23-5	carbon tetrachloride	250	U
75-27-4	bromodichloromethane	250	U
78-87-5	1,2-dichloropropane	250	U
10061-01-5	cis-1,3-dichloropropene	250	U
79-01-6	trichloroethene	250	U
124-48-1	dibromochloromethane	250	U
79-00-5	1,1,2-trichloroethane	250	U
71-43-2	benzene	250	U
10061-02-6	trans-1,3-dichloropropene	250	U
75-25-2	bromoform	250	U
108-10-1	4-methyl-2-pentanone	625	U
591-78-6	2-hexanone	625	U
127-18-4	tetrachloroethene	250	U
79-34-5	1,1,2,2-tetrachloroethane	250	U
108-88-3	toluene	250	U
108-90-7	chlorobenzene	250	U
100-41-4	ethylbenzene	250	U
100-42-5	styrene	250	U
75-71-8	Dichlorodifluoromethane	250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB2MD0CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-13

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T117

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 100.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: 200 (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	250	U
107-13-1	Acrylonitrile	2500	U
108-05-4	Vinyl Acetate	625	U
107-02-8	Acrolein	2500	U
74-88-4	Iodomethane	625	U
75-05-8	Acetonitrile	1250	U
107-05-1	Allyl Chloride	1250	U
126-99-8	2-Chloro-1,3-butadiene	250	U
126-98-7	Methacrylonitrile	1250	U
78-83-1	Isobutyl Alcohol	2500	U
107-12-0	Propionitrile	2500	U
74-95-3	Dibromomethane	250	U
80-62-6	Methyl methacrylate	1250	U
106-93-4	1,2-Dibromoethane	250	U
630-20-6	1,1,1,2-Tetrachloroethane	250	U
96-18-4	1,2,3-Trichloropropane	250	U
110-57-6	trans-1,4-Dichloro-2-butene	1250	U
108-60-1	bis(2-Chloro-isopropyl)ether	2500	U
96-12-8	1,2-dibromo-3-chloropropane	250	U
	xylenes (total)	750	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S422

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	2.5	U
67-64-1	acetone	244	E
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	2.8	
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.5	U
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S422

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	25.0	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	25.0	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.5	U
107-05-1	Allyl Chloride	12.5	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.5	U
78-83-1	Isobutyl Alcohol	25.0	U
107-12-0	Propionitrile	25.0	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.5	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	25.0	U
----------	xylenes (total)	7.5	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB3CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T118

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	12.5	U
74-83-9	bromomethane	12.5	U
75-01-4	vinyl chloride	12.5	U
75-00-3	chloroethane	12.5	U
75-09-2	methylene chloride	7.4	BJ
67-64-1	acetone	11.7	J
75-15-0	carbon disulfide	31.2	U
75-35-4	1,1-dichloroethene	12.5	U
75-34-3	1,1-dichloroethane	12.5	U
156-60-5	trans-1,2-dichloroethene	12.5	U
67-66-3	chloroform	12.5	U
107-06-2	1,2-dichloroethane	12.5	U
78-93-3	2-butanone	31.2	U
71-55-6	1,1,1-trichloroethane	12.5	U
56-23-5	carbon tetrachloride	12.5	U
75-27-4	bromodichloromethane	12.5	U
78-87-5	1,2-dichloropropane	12.5	U
10061-01-5	cis-1,3-dichloropropene	12.5	U
79-01-6	trichloroethene	12.5	U
124-48-1	dibromochloromethane	12.5	U
79-00-5	1,1,2-trichloroethane	12.5	U
71-43-2	benzene	12.5	U
10061-02-6	trans-1,3-dichloropropene	12.5	U
75-25-2	bromoform	12.5	U
108-10-1	4-methyl-2-pentanone	31.2	U
591-78-6	2-hexanone	31.2	U
127-18-4	tetrachloroethene	12.5	U
79-34-5	1,1,2,2-tetrachloroethane	12.5	U
108-88-3	toluene	12.5	U
108-90-7	chlorobenzene	12.5	U
100-41-4	ethylbenzene	12.5	U
100-42-5	styrene	12.5	U
75-71-8	Dichlorodifluoromethane	12.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB3CF0

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-14

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T118

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 20 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	12.5	U
107-13-1	Acrylonitrile	125	U
108-05-4	Vinyl Acetate	31.2	U
107-02-8	Acrolein	125	U
74-88-4	Iodomethane	31.2	U
75-05-8	Acetonitrile	62.5	U
107-05-1	Allyl Chloride	62.5	U
126-99-8	2-Chloro-1,3-butadiene	12.5	U
126-98-7	Methacrylonitrile	62.5	U
78-83-1	Isobutyl Alcohol	125	U
107-12-0	Propionitrile	125	U
74-95-3	Dibromomethane	12.5	U
80-62-6	Methyl methacrylate	62.5	U
106-93-4	1,2-Dibromoethane	12.5	U
630-20-6	1,1,1,2-Tetrachloroethane	12.5	U
96-18-4	1,2,3-Trichloropropane	12.5	U
110-57-6	trans-1,4-Dichloro-2-butene	62.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	125	U
96-12-8	1,2-dibromo-3-chloropropane	12.5	U
----------	xylenes (total)	37.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S423

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	2.5	U
67-64-1	acetone	57.7	
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	2.5	U
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.5	U
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S423

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U
	xylenes (total)	7.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB4CF0

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T119

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	1.5	BJ
67-64-1	acetone	17.6	
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	2.5	U
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.5	U
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB4CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T119

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U
	xylenes (total)	7.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S424

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	2.5	U
67-64-1	acetone	64.0	
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	10.2	
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.5	U
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S424

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/26/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U
----------	xylenes (total)	7.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T120

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.5	U
74-83-9	bromomethane	2.5	U
75-01-4	vinyl chloride	2.5	U
75-00-3	chloroethane	2.5	U
75-09-2	methylene chloride	1.6	BJ
67-64-1	acetone	137	E
75-15-0	carbon disulfide	6.2	U
75-35-4	1,1-dichloroethene	2.5	U
75-34-3	1,1-dichloroethane	2.5	U
156-60-5	trans-1,2-dichloroethene	0.56	J
67-66-3	chloroform	2.5	U
107-06-2	1,2-dichloroethane	2.5	U
78-93-3	2-butanone	6.2	U
71-55-6	1,1,1-trichloroethane	2.5	U
56-23-5	carbon tetrachloride	2.5	U
75-27-4	bromodichloromethane	2.5	U
78-87-5	1,2-dichloropropane	2.5	U
10061-01-5	cis-1,3-dichloropropene	2.5	U
79-01-6	trichloroethene	2.5	U
124-48-1	dibromochloromethane	2.5	U
79-00-5	1,1,2-trichloroethane	2.5	U
71-43-2	benzene	2.5	U
10061-02-6	trans-1,3-dichloropropene	2.5	U
75-25-2	bromoform	2.5	U
108-10-1	4-methyl-2-pentanone	6.2	U
591-78-6	2-hexanone	6.2	U
127-18-4	tetrachloroethene	2.5	U
79-34-5	1,1,2,2-tetrachloroethane	2.5	U
108-88-3	toluene	2.5	U
108-90-7	chlorobenzene	2.5	U
100-41-4	ethylbenzene	2.5	U
100-42-5	styrene	2.5	U
75-71-8	Dichlorodifluoromethane	2.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SB5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T120

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. 19 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.5	U
107-13-1	Acrylonitrile	24.7	U
108-05-4	Vinyl Acetate	6.2	U
107-02-8	Acrolein	24.7	U
74-88-4	Iodomethane	6.2	U
75-05-8	Acetonitrile	12.3	U
107-05-1	Allyl Chloride	12.3	U
126-99-8	2-Chloro-1,3-butadiene	2.5	U
126-98-7	Methacrylonitrile	12.3	U
78-83-1	Isobutyl Alcohol	24.7	U
107-12-0	Propionitrile	24.7	U
74-95-3	Dibromomethane	2.5	U
80-62-6	Methyl methacrylate	12.3	U
106-93-4	1,2-Dibromoethane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	12.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.5	U
----------	xylenes (total)	7.5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S414

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.7	U
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	2.7	U
67-64-1	acetone	6.7	U
75-15-0	carbon disulfide	6.7	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.7	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	2.7	U
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.7	U
591-78-6	2-hexanone	6.7	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	2.7	U
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S414

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	26.7	U
108-05-4	Vinyl Acetate	6.7	U
107-02-8	Acrolein	26.7	U
74-88-4	Iodomethane	6.7	U
75-05-8	Acetonitrile	13.3	U
107-05-1	Allyl Chloride	13.3	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.3	U
78-83-1	Isobutyl Alcohol	26.7	U
107-12-0	Propionitrile	26.7	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	13.3	U
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	26.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.7	U
	xylenes (total)	8.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T111

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.7	U
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	2.3	BJ
67-64-1	acetone	6.7	U
75-15-0	carbon disulfide	6.7	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.7	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	0.42	J
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.7	U
591-78-6	2-hexanone	6.7	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	0.92	J
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T111

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 25 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (ml)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	26.7	U
108-05-4	Vinyl Acetate	6.7	U
107-02-8	Acrolein	26.7	U
74-88-4	Iodomethane	6.7	U
75-05-8	Acetonitrile	13.3	U
107-05-1	Allyl Chloride	13.3	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.3	U
78-83-1	Isobutyl Alcohol	26.7	U
107-12-0	Propionitrile	26.7	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	1.0	J
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	5.5	J
96-12-8	1,2-dibromo-3-chloropropane	2.7	U
	xylenes (total)	8.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S415

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 41 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.4	U
74-83-9	bromomethane	3.4	U
75-01-4	vinyl chloride	3.4	U
75-00-3	chloroethane	3.4	U
75-09-2	methylene chloride	3.4	U
67-64-1	acetone	8.5	U
75-15-0	carbon disulfide	8.5	U
75-35-4	1,1-dichloroethene	3.4	U
75-34-3	1,1-dichloroethane	3.4	U
156-60-5	trans-1,2-dichloroethene	3.4	U
67-66-3	chloroform	3.4	U
107-06-2	1,2-dichloroethane	3.4	U
78-93-3	2-butanone	8.5	U
71-55-6	1,1,1-trichloroethane	3.4	U
56-23-5	carbon tetrachloride	3.4	U
75-27-4	bromodichloromethane	3.4	U
78-87-5	1,2-dichloropropane	3.4	U
10061-01-5	cis-1,3-dichloropropene	3.4	U
79-01-6	trichloroethene	3.4	U
124-48-1	dibromochloromethane	3.4	U
79-00-5	1,1,2-trichloroethane	3.4	U
71-43-2	benzene	3.4	U
10061-02-6	trans-1,3-dichloropropene	3.4	U
75-25-2	bromoform	3.4	U
108-10-1	4-methyl-2-pentanone	8.5	U
591-78-6	2-hexanone	8.5	U
127-18-4	tetrachloroethene	3.4	U
79-34-5	1,1,2,2-tetrachloroethane	3.4	U
108-88-3	toluene	3.4	U
108-90-7	chlorobenzene	3.4	U
100-41-4	ethylbenzene	3.4	U
100-42-5	styrene	3.4	U
75-71-8	Dichlorodifluoromethane	3.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S415

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 41 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.4	U
107-13-1	Acrylonitrile	33.9	U
108-05-4	Vinyl Acetate	8.5	U
107-02-8	Acrolein	33.9	U
74-88-4	Iodomethane	8.5	U
75-05-8	Acetonitrile	16.9	U
107-05-1	Allyl Chloride	16.9	U
126-99-8	2-Chloro-1,3-butadiene	3.4	U
126-98-7	Methacrylonitrile	16.9	U
78-83-1	Isobutyl Alcohol	33.9	U
107-12-0	Propionitrile	33.9	U
74-95-3	Dibromomethane	3.4	U
80-62-6	Methyl methacrylate	16.9	U
106-93-4	1,2-Dibromoethane	3.4	U
630-20-6	1,1,1,2-Tetrachloroethane	3.4	U
96-18-4	1,2,3-Trichloropropane	3.4	U
110-57-6	trans-1,4-Dichloro-2-butene	16.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	33.9	U
96-12-8	1,2-dibromo-3-chloropropane	3.4	U
----------	xylenes (total)	10.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS2CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T112

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 41 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.4	U
74-83-9	bromomethane	3.4	U
75-01-4	vinyl chloride	3.4	U
75-00-3	chloroethane	3.4	U
75-09-2	methylene chloride	2.4	BJ
67-64-1	acetone	8.5	U
75-15-0	carbon disulfide	8.5	U
75-35-4	1,1-dichloroethene	3.4	U
75-34-3	1,1-dichloroethane	3.4	U
156-60-5	trans-1,2-dichloroethene	3.4	U
67-66-3	chloroform	3.4	U
107-06-2	1,2-dichloroethane	3.4	U
78-93-3	2-butanone	8.5	U
71-55-6	1,1,1-trichloroethane	3.4	U
56-23-5	carbon tetrachloride	3.4	U
75-27-4	bromodichloromethane	3.4	U
78-87-5	1,2-dichloropropane	3.4	U
10061-01-5	cis-1,3-dichloropropene	3.4	U
79-01-6	trichloroethene	3.4	U
124-48-1	dibromochloromethane	3.4	U
79-00-5	1,1,2-trichloroethane	3.4	U
71-43-2	benzene	3.4	U
10061-02-6	trans-1,3-dichloropropene	3.4	U
75-25-2	bromoform	3.4	U
108-10-1	4-methyl-2-pentanone	8.5	U
591-78-6	2-hexanone	8.5	U
127-18-4	tetrachloroethene	3.4	U
79-34-5	1,1,2,2-tetrachloroethane	3.4	U
108-88-3	toluene	3.4	U
108-90-7	chlorobenzene	3.4	U
100-41-4	ethylbenzene	3.4	U
100-42-5	styrene	3.4	U
75-71-8	Dichlorodifluoromethane	3.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS2CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T112

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 41 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.4	U
107-13-1	Acrylonitrile	33.9	U
108-05-4	Vinyl Acetate	8.5	U
107-02-8	Acrolein	33.9	U
74-88-4	Iodomethane	8.5	U
75-05-8	Acetonitrile	16.9	U
107-05-1	Allyl Chloride	16.9	U
126-99-8	2-Chloro-1,3-butadiene	3.4	U
126-98-7	Methacrylonitrile	16.9	U
78-83-1	Isobutyl Alcohol	33.9	U
107-12-0	Propionitrile	33.9	U
74-95-3	Dibromomethane	3.4	U
80-62-6	Methyl methacrylate	16.9	U
106-93-4	1,2-Dibromoethane	3.4	U
630-20-6	1,1,1,2-Tetrachloroethane	3.4	U
96-18-4	1,2,3-Trichloropropane	3.4	U
110-57-6	trans-1,4-Dichloro-2-butene	16.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	33.9	U
96-12-8	1,2-dibromo-3-chloropropane	3.4	U
	xylenes (total)	10.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S416

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 38 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.2	U
74-83-9	bromomethane	3.2	U
75-01-4	vinyl chloride	3.2	U
75-00-3	chloroethane	3.2	U
75-09-2	methylene chloride	3.2	U
67-64-1	acetone	8.1	U
75-15-0	carbon disulfide	8.1	U
75-35-4	1,1-dichloroethene	3.2	U
75-34-3	1,1-dichloroethane	3.2	U
156-60-5	trans-1,2-dichloroethene	3.2	U
67-66-3	chloroform	3.2	U
107-06-2	1,2-dichloroethane	3.2	U
78-93-3	2-butanone	8.1	U
71-55-6	1,1,1-trichloroethane	3.2	U
56-23-5	carbon tetrachloride	3.2	U
75-27-4	bromodichloromethane	3.2	U
78-87-5	1,2-dichloropropane	3.2	U
10061-01-5	cis-1,3-dichloropropene	3.2	U
79-01-6	trichloroethene	3.2	U
124-48-1	dibromochloromethane	3.2	U
79-00-5	1,1,2-trichloroethane	3.2	U
71-43-2	benzene	3.2	U
10061-02-6	trans-1,3-dichloropropene	3.2	U
75-25-2	bromoform	3.2	U
108-10-1	4-methyl-2-pentanone	8.1	U
591-78-6	2-hexanone	8.1	U
127-18-4	tetrachloroethene	3.2	U
79-34-5	1,1,2,2-tetrachloroethane	3.2	U
108-88-3	toluene	3.2	U
108-90-7	chlorobenzene	3.2	U
100-41-4	ethylbenzene	3.2	U
100-42-5	styrene	3.2	U
75-71-8	Dichlorodifluoromethane	3.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S416

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 38 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.2	U
107-13-1	Acrylonitrile	32.2	U
108-05-4	Vinyl Acetate	8.1	U
107-02-8	Acrolein	32.2	U
74-88-4	Iodomethane	8.1	U
75-05-8	Acetonitrile	16.1	U
107-05-1	Allyl Chloride	16.1	U
126-99-8	2-Chloro-1,3-butadiene	3.2	U
126-98-7	Methacrylonitrile	16.1	U
78-83-1	Isobutyl Alcohol	32.2	U
107-12-0	Propionitrile	32.2	U
74-95-3	Dibromomethane	3.2	U
80-62-6	Methyl methacrylate	16.1	U
106-93-4	1,2-Dibromoethane	3.2	U
630-20-6	1,1,1,2-Tetrachloroethane	3.2	U
96-18-4	1,2,3-Trichloropropane	3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	16.1	U
108-60-1	bis(2-Chloro-isopropyl)ether	32.2	U
96-12-8	1,2-dibromo-3-chloropropane	3.2	U
	xylenes (total)	9.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS3CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T113

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 38 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.2	U
74-83-9	bromomethane	3.2	U
75-01-4	vinyl chloride	3.2	U
75-00-3	chloroethane	3.2	U
75-09-2	methylene chloride	2.3	BJ
67-64-1	acetone	8.1	U
75-15-0	carbon disulfide	8.1	U
75-35-4	1,1-dichloroethene	3.2	U
75-34-3	1,1-dichloroethane	3.2	U
156-60-5	trans-1,2-dichloroethene	3.2	U
67-66-3	chloroform	3.2	U
107-06-2	1,2-dichloroethane	3.2	U
78-93-3	2-butanone	8.1	U
71-55-6	1,1,1-trichloroethane	3.2	U
56-23-5	carbon tetrachloride	3.2	U
75-27-4	bromodichloromethane	3.2	U
78-87-5	1,2-dichloropropane	3.2	U
10061-01-5	cis-1,3-dichloropropene	3.2	U
79-01-6	trichloroethene	3.2	U
124-48-1	dibromochloromethane	3.2	U
79-00-5	1,1,2-trichloroethane	3.2	U
71-43-2	benzene	3.2	U
10061-02-6	trans-1,3-dichloropropene	3.2	U
75-25-2	bromoform	3.2	U
108-10-1	4-methyl-2-pentanone	8.1	U
591-78-6	2-hexanone	8.1	U
127-18-4	tetrachloroethene	3.2	U
79-34-5	1,1,2,2-tetrachloroethane	3.2	U
108-88-3	toluene	3.2	U
108-90-7	chlorobenzene	3.2	U
100-41-4	ethylbenzene	3.2	U
100-42-5	styrene	3.2	U
75-71-8	Dichlorodifluoromethane	3.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS3CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T113

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 38 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.2	U
107-13-1	Acrylonitrile	32.2	U
108-05-4	Vinyl Acetate	8.1	U
107-02-8	Acrolein	32.2	U
74-88-4	Iodomethane	8.1	U
75-05-8	Acetonitrile	16.1	U
107-05-1	Allyl Chloride	16.1	U
126-99-8	2-Chloro-1,3-butadiene	3.2	U
126-98-7	Methacrylonitrile	16.1	U
78-83-1	Isobutyl Alcohol	32.2	U
107-12-0	Propionitrile	32.2	U
74-95-3	Dibromomethane	3.2	U
80-62-6	Methyl methacrylate	16.1	U
106-93-4	1,2-Dibromoethane	3.2	U
630-20-6	1,1,1,2-Tetrachloroethane	3.2	U
96-18-4	1,2,3-Trichloropropane	3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	16.1	U
108-60-1	bis(2-Chloro-isopropyl)ether	32.2	U
96-12-8	1,2-dibromo-3-chloropropane	3.2	U
	xylenes (total)	9.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S417

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 55 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	4.4	U
74-83-9	bromomethane	4.4	U
75-01-4	vinyl chloride	4.4	U
75-00-3	chloroethane	4.4	U
75-09-2	methylene chloride	2.7	J
67-64-1	acetone	11.1	U
75-15-0	carbon disulfide	11.1	U
75-35-4	1,1-dichloroethene	4.4	U
75-34-3	1,1-dichloroethane	4.4	U
156-60-5	trans-1,2-dichloroethene	4.4	U
67-66-3	chloroform	4.4	U
107-06-2	1,2-dichloroethane	4.4	U
78-93-3	2-butanone	11.1	U
71-55-6	1,1,1-trichloroethane	4.4	U
56-23-5	carbon tetrachloride	4.4	U
75-27-4	bromodichloromethane	4.4	U
78-87-5	1,2-dichloropropane	4.4	U
10061-01-5	cis-1,3-dichloropropene	4.4	U
79-01-6	trichloroethene	4.4	U
124-48-1	dibromochloromethane	4.4	U
79-00-5	1,1,2-trichloroethane	4.4	U
71-43-2	benzene	4.4	U
10061-02-6	trans-1,3-dichloropropene	4.4	U
75-25-2	bromoform	4.4	U
108-10-1	4-methyl-2-pentanone	11.1	U
591-78-6	2-hexanone	11.1	U
127-18-4	tetrachloroethene	4.4	U
79-34-5	1,1,2,2-tetrachloroethane	4.4	U
108-88-3	toluene	4.6	
108-90-7	chlorobenzene	4.4	U
100-41-4	ethylbenzene	4.4	U
100-42-5	styrene	4.4	U
75-71-8	Dichlorodifluoromethane	4.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S417

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 55 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	4.4	U
107-13-1	Acrylonitrile	44.4	U
108-05-4	Vinyl Acetate	11.1	U
107-02-8	Acrolein	44.4	U
74-88-4	Iodomethane	11.1	U
75-05-8	Acetonitrile	22.2	U
107-05-1	Allyl Chloride	22.2	U
126-99-8	2-Chloro-1,3-butadiene	4.4	U
126-98-7	Methacrylonitrile	22.2	U
78-83-1	Isobutyl Alcohol	44.4	U
107-12-0	Propionitrile	44.4	U
74-95-3	Dibromomethane	4.4	U
80-62-6	Methyl methacrylate	22.2	U
106-93-4	1,2-Dibromoethane	4.4	U
630-20-6	1,1,1,2-Tetrachloroethane	4.4	U
96-18-4	1,2,3-Trichloropropane	4.4	U
110-57-6	trans-1,4-Dichloro-2-butene	22.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	44.4	U
96-12-8	1,2-dibromo-3-chloropropane	4.4	U
	xylenes (total)	13.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS4CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T114

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 55 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	4.4	U
74-83-9	bromomethane	4.4	U
75-01-4	vinyl chloride	4.4	U
75-00-3	chloroethane	4.4	U
75-09-2	methylene chloride	4.1	BJ
67-64-1	acetone	11.1	U
75-15-0	carbon disulfide	11.1	U
75-35-4	1,1-dichloroethene	4.4	U
75-34-3	1,1-dichloroethane	4.4	U
156-60-5	trans-1,2-dichloroethene	4.4	U
67-66-3	chloroform	4.4	U
107-06-2	1,2-dichloroethane	4.4	U
78-93-3	2-butanone	11.1	U
71-55-6	1,1,1-trichloroethane	4.4	U
56-23-5	carbon tetrachloride	4.4	U
75-27-4	bromodichloromethane	4.4	U
78-87-5	1,2-dichloropropane	4.4	U
10061-01-5	cis-1,3-dichloropropene	4.4	U
79-01-6	trichloroethene	4.4	U
124-48-1	dibromochloromethane	4.4	U
79-00-5	1,1,2-trichloroethane	4.4	U
71-43-2	benzene	4.4	U
10061-02-6	trans-1,3-dichloropropene	4.4	U
75-25-2	bromoform	4.4	U
108-10-1	4-methyl-2-pentanone	11.1	U
591-78-6	2-hexanone	11.1	U
127-18-4	tetrachloroethene	4.4	U
79-34-5	1,1,2,2-tetrachloroethane	4.4	U
108-88-3	toluene	4.4	U
108-90-7	chlorobenzene	4.4	U
100-41-4	ethylbenzene	4.4	U
100-42-5	styrene	4.4	U
75-71-8	Dichlorodifluoromethane	4.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS4CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-09

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T114

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 55 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	4.4	U
107-13-1	Acrylonitrile	44.4	U
108-05-4	Vinyl Acetate	11.1	U
107-02-8	Acrolein	44.4	U
74-88-4	Iodomethane	11.1	U
75-05-8	Acetonitrile	22.2	U
107-05-1	Allyl Chloride	22.2	U
126-99-8	2-Chloro-1,3-butadiene	4.4	U
126-98-7	Methacrylonitrile	22.2	U
78-83-1	Isobutyl Alcohol	44.4	U
107-12-0	Propionitrile	44.4	U
74-95-3	Dibromomethane	4.4	U
80-62-6	Methyl methacrylate	22.2	U
106-93-4	1,2-Dibromoethane	4.4	U
630-20-6	1,1,1,2-Tetrachloroethane	4.4	U
96-18-4	1,2,3-Trichloropropane	4.4	U
110-57-6	trans-1,4-Dichloro-2-butene	22.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	44.4	U
96-12-8	1,2-dibromo-3-chloropropane	4.4	U
	xylenes (total)	13.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S418

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 31 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.9	U
74-83-9	bromomethane	2.9	U
75-01-4	vinyl chloride	2.9	U
75-00-3	chloroethane	2.9	U
75-09-2	methylene chloride	2.9	U
67-64-1	acetone	7.2	U
75-15-0	carbon disulfide	7.2	U
75-35-4	1,1-dichloroethene	2.9	U
75-34-3	1,1-dichloroethane	2.9	U
156-60-5	trans-1,2-dichloroethene	2.9	U
67-66-3	chloroform	2.9	U
107-06-2	1,2-dichloroethane	2.9	U
78-93-3	2-butanone	7.2	U
71-55-6	1,1,1-trichloroethane	2.9	U
56-23-5	carbon tetrachloride	2.9	U
75-27-4	bromodichloromethane	2.9	U
78-87-5	1,2-dichloropropane	2.9	U
10061-01-5	cis-1,3-dichloropropene	2.9	U
79-01-6	trichloroethene	2.9	U
124-48-1	dibromochloromethane	2.9	U
79-00-5	1,1,2-trichloroethane	2.9	U
71-43-2	benzene	2.9	U
10061-02-6	trans-1,3-dichloropropene	2.9	U
75-25-2	bromoform	2.9	U
108-10-1	4-methyl-2-pentanone	7.2	U
591-78-6	2-hexanone	7.2	U
127-18-4	tetrachloroethene	2.9	U
79-34-5	1,1,2,2-tetrachloroethane	2.9	U
108-88-3	toluene	2.9	U
108-90-7	chlorobenzene	2.9	U
100-41-4	ethylbenzene	2.9	U
100-42-5	styrene	2.9	U
75-71-8	Dichlorodifluoromethane	2.9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1S418

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 31 Date Analyzed: 01/25/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.9	U
107-13-1	Acrylonitrile	29.0	U
108-05-4	Vinyl Acetate	7.2	U
107-02-8	Acrolein	29.0	U
74-88-4	Iodomethane	7.2	U
75-05-8	Acetonitrile	14.5	U
107-05-1	Allyl Chloride	14.5	U
126-99-8	2-Chloro-1,3-butadiene	2.9	U
126-98-7	Methacrylonitrile	14.5	U
78-83-1	Isobutyl Alcohol	29.0	U
107-12-0	Propionitrile	29.0	U
74-95-3	Dibromomethane	2.9	U
80-62-6	Methyl methacrylate	14.5	U
106-93-4	1,2-Dibromoethane	2.9	U
630-20-6	1,1,1,2-Tetrachloroethane	2.9	U
96-18-4	1,2,3-Trichloropropane	2.9	U
110-57-6	trans-1,4-Dichloro-2-butene	14.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	29.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.9	U
	xylenes (total)	8.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 31 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.9	U
74-83-9	bromomethane	2.9	U
75-01-4	vinyl chloride	2.9	U
75-00-3	chloroethane	2.9	U
75-09-2	methylene chloride	1.9	BJ
67-64-1	acetone	7.2	U
75-15-0	carbon disulfide	7.2	U
75-35-4	1,1-dichloroethene	2.9	U
75-34-3	1,1-dichloroethane	2.9	U
156-60-5	trans-1,2-dichloroethene	2.9	U
67-66-3	chloroform	0.39	J
107-06-2	1,2-dichloroethane	2.9	U
78-93-3	2-butanone	7.2	U
71-55-6	1,1,1-trichloroethane	2.9	U
56-23-5	carbon tetrachloride	2.9	U
75-27-4	bromodichloromethane	2.9	U
78-87-5	1,2-dichloropropane	2.9	U
10061-01-5	cis-1,3-dichloropropene	2.9	U
79-01-6	trichloroethene	2.9	U
124-48-1	dibromochloromethane	2.9	U
79-00-5	1,1,2-trichloroethane	2.9	U
71-43-2	benzene	2.9	U
10061-02-6	trans-1,3-dichloropropene	2.9	U
75-25-2	bromoform	2.9	U
108-10-1	4-methyl-2-pentanone	7.2	U
591-78-6	2-hexanone	7.2	U
127-18-4	tetrachloroethene	2.9	U
79-34-5	1,1,2,2-tetrachloroethane	2.9	U
108-88-3	toluene	2.9	U
108-90-7	chlorobenzene	2.9	U
100-41-4	ethylbenzene	2.9	U
100-42-5	styrene	2.9	U
75-71-8	Dichlorodifluoromethane	2.9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SS5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61335S

Matrix: (soil/water) SOIL Lab Sample ID: 9601335-10

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T115

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. 31 Date Analyzed: 01/29/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 20 (mL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.9	U
107-13-1	Acrylonitrile	29.0	U
108-05-4	Vinyl Acetate	7.2	U
107-02-8	Acrolein	29.0	U
74-88-4	Iodomethane	7.2	U
75-05-8	Acetonitrile	14.5	U
107-05-1	Allyl Chloride	14.5	U
126-99-8	2-Chloro-1,3-butadiene	2.9	U
126-98-7	Methacrylonitrile	14.5	U
78-83-1	Isobutyl Alcohol	29.0	U
107-12-0	Propionitrile	29.0	U
74-95-3	Dibromomethane	2.9	U
80-62-6	Methyl methacrylate	14.5	U
106-93-4	1,2-Dibromoethane	2.9	U
630-20-6	1,1,1,2-Tetrachloroethane	2.9	U
96-18-4	1,2,3-Trichloropropane	2.9	U
110-57-6	trans-1,4-Dichloro-2-butene	14.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	29.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.9	U
----------	xylenes (total)	8.7	U

CASE NARRATIVE
SDG 61336W

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

February 19, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The water samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between January 15, 1996, and January 20, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage, with the exception of sample container S9MW-24 in which two extractable bottles arrived broken. The samples were delivered with chain of custody documentation and signatures.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
TB01-011596	9601336-01
RB01-011596	9601336-02
TB01-011696	9601336-03
FB02-011696	9601336-04
FB01-011696	9601336-05
TB01-011796	9601336-06
RB01-011796	9601336-07
TB01-011896	9601336-08
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13

TB01-011396	9601336-14
TB01-011996	9601336-15
S9MW-24	9601336-16
S9MW-19D	9601336-17
TB02-011896	9601336-18
S9MW-21	9601336-19
S9MW-15	9601336-20

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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, Chain of Custody, Nonconformance Reports, 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

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:hali00196.021996

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

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METALS DATA

SDG 61336W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

The following samples were analyzed for TAL Metals and Cyanide using ILM03.0 for ICP, Mercury, and Cyanide:

Sample Description	Laboratory Identification
RB01-011596	9601336-02
FB02-011696	9601336-04
FB01-011696	9601336-05
RB01-011796	9601336-07
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13
S9MW-24	9601336-16
S9MW-19D	9601336-17
S9MW-21	9601336-19
S9MW-15	9601336-20
S9MW-21 Matrix Spike (MS)	QC336009 - ICP
	QC336392 - Hg
	QC336037 - CN
S9MW-21 Duplicate (Dup)	QC336010 - ICP
	QC336393 - Hg
	QC336036 - CN
S9MW-21 Post Spike (PS)	QC340195 - ICP
Blank	QC336008 - ICP
	QC336391 - Hg
	QC336038 - CN
Laboratory Control Sample (LCS)	QC336011- ICP
	QC336394 - Hg
	QC336039 - CN
Laboratory Control Sample Duplicate (LCSD)	QC336012 - ICP
	QC336395 - Hg
	QC336040 - CN

Instrument Calibration

All 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, Calcium, Sodium, and Zinc were detected in the method blank at levels greater than the instrument detection limits (IDL), but below the contract reporting limit (CRDL). No target analytes were detected in the method blank for the Mercury analysis at levels greater than the IDL. Cyanide was detected in the method blank at levels greater than the IDL, but below the reporting limit CRDL.

Spike and Duplication Analysis

The MS for the ICP did not meet the quality control criteria for Arsenic, as indicated by the "N" flag. The PS met quality control criteria. The Dup did not meet the recovery criteria for Selenium, as indicated by the "*" flag. Mercury and Cyanide met the quality control criteria for recovery and relative percent difference (RPD).

Laboratory Control Sample Analysis

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

Dilutions

Sodium was over the ICP linear range and required the following dilutions: samples S9MW-3, S9MW-9, S9MW-6, and S9MW-15 were analyzed at 10x dilution. Samples: S9MW-24, S9MW-19D, and S9MW-21 were analyzed at a 100x dilution. No dilutions were required for Mercury and Cyanide.

Additional Comments

Two ICP runs were required for this sample delivery group. The ICP analysis dated 01/31/96 includes all samples undiluted, all required Sodium dilutions, and all batch quality control. The ICP analysis dated 02/06/96 includes the PS and serial dilution for sample S9MW-21.
The sample identifiers are truncated on form 14 for Mercury due to a software change.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB01-011696

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-05

Level (low/med): LOW__ Date Received: 01/17/96

% 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_	13.9	B		P_
7440-36-0	Antimony_	2.6	U		P_
7440-38-2	Arsenic__	4.9	U	N	P_
7440-39-3	Barium___	0.60	U		P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	0.40	U		P_
7440-70-2	Calcium__	70.3	B		P_
7440-47-3	Chromium_	0.90	U		P_
7440-48-4	Cobalt___	0.80	U		P_
7440-50-8	Copper___	1.2	U		P_
7439-89-6	Iron____	3.0	U		P_
7439-92-1	Lead____	1.8	U		P_
7439-95-4	Magnesium	3.3	U		P_
7439-96-5	Manganese	0.60	U		P_
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P_
7440-09-7	Potassium	8.4	U		P_
7782-49-2	Selenium_	4.8	U	*	P_
7440-22-4	Silver___	0.70	U		P_
7440-23-5	Sodium___	86.4	B		P_
7440-28-0	Thallium_	4.5	U		P_
7440-62-2	Vanadium_	0.70	U		P_
7440-66-6	Zinc____	2.2	B		P_
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB02-011696

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-04

Level (low/med): LOW__ Date Received: 01/17/96

% 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_	63.2	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium___	13.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	47600			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	2.9	B		P
7439-89-6	Iron____	80.5	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	4310	B		P
7439-96-5	Manganese	2.7	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	13900			P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	22200			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	1.5	B		P
7440-66-6	Zinc____	215			P
74-90-8__	Cyanide__	1.7	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-011596

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-02

Level (low/med): LOW__ Date Received: 01/16/96

% 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_	27.2	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium__	0.60	U		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	92.4	B		P
7440-47-3	Chromium_	1.1	B		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	9.2	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	5.0	B		P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	8.4	U		P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	38.9	B		P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	3.1	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-011796

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-07

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	60.8	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	5.8	B	N	P
7440-39-3	Barium___	0.70	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	147	B		P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	20.7	B		P
7439-92-1	Lead____	3.9	B		P
7439-95-4	Magnesium	12.8	B		P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	13.1	B		P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	604	B		P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	3.5	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-13

Level (low/med): LOW__ Date Received: 01/19/96

% 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	83.9	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	7.7	B	N	P
7440-39-3	Barium	8.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	195000			P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	17.8	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	24200			P
7439-96-5	Manganese	0.98	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U		P
7440-09-7	Potassium	2650	B		P
7782-49-2	Selenium	4.8	U	*	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	43000			P
7440-28-0	Thallium	4.5	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	1.5	B		P
74-90-8	Cyanide	1.9	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-15

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-20

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	62.7	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium___	5.5	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	67000			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron_____	196			P
7439-92-1	Lead_____	2.6	B		P
7439-95-4	Magnesium	41500			P
7439-96-5	Manganese	2.1	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.5	B		P
7440-09-7	Potassium	12300			P
7782-49-2	Selenium_	6.0		*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	161000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc_____	2.7	B		P
74-90-8__	Cyanide__	0.83	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-17

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-12

Level (low/med): LOW__ Date Received: 01/19/96

% 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	230			P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	4.9	U	N	P
7440-39-3	Barium	7.9	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	183000			P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	51.7	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	24100			P
7439-96-5	Manganese	1.1	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U		P
7440-09-7	Potassium	2690	B		P
7782-49-2	Selenium	4.8	U	*	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	43800			P
7440-28-0	Thallium	4.5	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	4.0	B		P
74-90-8	Cyanide	1.0	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-19D

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-17

Level (low/med): LOW__ Date Received: 01/19/96

% 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	11.1	U		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	4.9	U	N	P
7440-39-3	Barium	5.6	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	94600			P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	8.7	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	139000			P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U		P
7440-09-7	Potassium	58100			P
7782-49-2	Selenium	4.8	U	*	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	1130000			P
7440-28-0	Thallium	4.5	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	1.4	U		P
74-90-8	Cyanide	0.89	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-21

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-19

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.8	B		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium___	7.8	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	198000			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron_____	44.8	B		P
7439-92-1	Lead_____	1.8	U		P
7439-95-4	Magnesium	377000			P
7439-96-5	Manganese	8.5	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	142000			P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	3290000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc_____	1.4	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: LIGHT_YEL Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-24

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-16

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	100	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium___	11.7	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	166000			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron_____	33.8	B		P
7439-92-1	Lead_____	1.8	U		P
7439-95-4	Magnesium	195000			P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.9	B		P
7440-09-7	Potassium	57000			P
7782-49-2	Selenium_	4.9	B	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	1410000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.93	B		P
7440-66-6	Zinc_____	1.4	U		P
74-90-8__	Cyanide__	0.88	B		AS

Color Before: LIGHT_YEL Clarity Before: CLEAR_ Texture: _____

Color After: LIGHT_YEL Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-09

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	71.0	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	7.6	B	N	P
7440-39-3	Barium___	9.3	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	69000			P
7440-47-3	Chromium_	1.2	B		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	360			P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	43500			P
7439-96-5	Manganese	5.0	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	3.2	B		P
7440-09-7	Potassium	9380			P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	6.0	B		P
7440-23-5	Sodium___	235000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	4.4	B		P
7440-66-6	Zinc____	2.0	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: LIGHT_YEL Clarity Before: CLEAR_ Texture: _____

Color After: LIGHT_YEL Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-6

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-11

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	33.2	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U	N	P
7440-39-3	Barium___	7.7	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	61900			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	8.8	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	68600			P
7439-96-5	Manganese	0.97	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	15200			P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	116000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	2.6	B		P
74-90-8__	Cyanide__	6.6	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9MW-9

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61336W

Matrix (soil/water): WATER Lab Sample ID: 9601336-10

Level (low/med): LOW__ Date Received: 01/19/96

% 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_	21.4	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	5.3	B	N	P
7440-39-3	Barium__	5.4	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	75300			P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	14.3	B		P
7439-92-1	Lead____	2.4	B		P
7439-95-4	Magnesium	79400			P
7439-96-5	Manganese	5.3	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.3	B		P
7440-09-7	Potassium	23000			P
7782-49-2	Selenium_	4.8	U	*	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	471000			P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.89	B		P
7440-66-6	Zinc____	2.4	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: LIGHT_YEL Clarity Before: CLEAR_ Texture: _____

Color After: LIGHT_YEL Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 61336W
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
RB01-011596	9601336-02
FB02-011696	9601336-04
FB01-011696	9601336-05
RB01-011796	9601336-07
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13
S9MW-24	9601336-16
S9MW-19D	9601336-17
S9MW-21	9601336-19
S9MW-15	9601336-20
Blank	QC337329
Laboratory Control Sample (LCS)	QC337330
Laboratory Control Sample Duplicate (LCSD)	QC337331
S9MW-21 Matrix Spike (MS)	QC337332
S9MW-21 Matrix Spike Duplicate (MSD)	QC337333

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 did not meet recovery criteria for 2,4-D (failed high). However, the MSD met recovery criteria. The LCS and LCSD can be used to demonstrate accuracy and precision. The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples.

Additional Comments

The continuing calibration check standard failed acceptance criteria on the confirmation column for 2,4-D, Silvex, and 2,4-DCAA. The primary column met acceptance criteria.

The calibration curve for silvex on the confirmation column was not 0.995 or greater for the correlation coefficient. The primary column (reporting column) did have an acceptable curve. Silvex was not detected in any of the samples.

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 950 (g/mL) mL Lab File ID: APBJB15

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB02-011696

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: APBJB14

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.18	J
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 880 (g/mL) mL Lab File ID: APBJB13

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

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	0.22	U
95-76-5	2,4,5-T	0.22	U
93-72-1	SILVEX	0.11	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1040 (g/mL) mL Lab File ID: APBJB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

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	0.192	U
95-76-5	2,4,5-T	0.192	U
93-72-1	SILVEX	0.096	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1015 (g/mL) mL Lab File ID: APBJB22

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.196	U
95-76-5	2,4,5-T	0.196	U
93-72-1	SILVEX	0.098	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-15

ab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: APBJB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: APBJB21

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1020 (g/mL) mL Lab File ID: APBJB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.196	U
95-76-5	2,4,5-T	0.196	U
93-72-1	SILVEX	0.098	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-21

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: APBJB25

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1030 (g/mL) mL Lab File ID: APBJB23

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.194	U
95-76-5	2,4,5-T	0.194	U
93-72-1	SILVEX	0.097	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-3

Lab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: APBJB17

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1020 (g/mL) mL Lab File ID: APBJB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.196	U
95-76-5	2,4,5-T	0.196	U
93-72-1	SILVEX	0.098	U

FORM 1
HERBICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9MW-9

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1005 (g/mL) mL Lab File ID: APBJB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 61336W
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
RB01-011596	9601336-02
FB02-011696	9601336-04
FB01-011696	9601336-05
RB01-011796	9601336-07
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13
S9MW-24	9601336-16
S9MW-19D	9601336-17
S9MW-21	9601336-19
S9MW-15	9601336-20
Blank	QC336061
Laboratory Control Sample (LCS)	QC336062
Laboratory Control Sample Duplicate (LCSD)	QC336063
S9MW-21 Matrix Spike (MS)	QC336064
S9MW-21 Matrix Spike Duplicate (MSD)	QC336065

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

Surrogate TCX failed on the confirmation column for samples RB01-011596, FB01-011696, and QC336061, and failed on both the reporting column and confirmation column for samples FB02-011696, RB01-011796, S9MW-24, and QC336062. Surrogate DBC failed on both columns due to dilutions for samples S9MW-3, S9MW-9, S9DPGW-01, S9MW-21, QC336064, and QC336065. Sample S9MW-19D failed both surrogates on the confirmation column. Samples S9MW-6, S9MW-17, and QC336063 passed surrogate recovery criteria.

Blank Analysis

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

Spike Analysis

The MS did not meet recovery criteria for 2,4-D (failed high). However, the MSD met recovery criteria. The LCS and LCSD can be used to demonstrate accuracy and precision. The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Samples S9MW-3, S9MW-21, S9DPGW-01 were analyzed at 10x dilutions and samples S9MW-9, QC336064, and QC336065 were analyzed at 5x dilutions, due to matrix interference. All other samples were analyzed undiluted.

Additional Comments

All samples were originally analyzed undiluted. In reviewing the initial undiluted raw data, sample S9MW-21 was inadvertently analyzed at a 10x dilution while the corresponding MS and MSD were analyzed and reported at a 5x dilution.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 960 (g/mL) mL Lab File ID: AKJVB21

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	0.021	U
76-44-8	Heptachlor	0.021	U
309-00-2	Aldrin	0.068	P
1024-57-3	Heptachlor epoxide	0.021	U
959-98-8	Endosulfan I	0.021	U
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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 960 (g/mL) mL Lab File ID: AKJVB21

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.26	U
298-02-2	Phorate	0.052	U
298-00-0	Methyl Parathion	0.052	U
56-38-2	Parathion	0.052	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB02-011696

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
319-84-6	alpha-BHC	0.020	U
319-85-7	beta-BHC	0.031	P
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC (Lindane)	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	0.13	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB02-011696

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 900 (g/mL) mL Lab File ID: AKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
319-84-6	alpha-BHC	0.022	U
319-85-7	beta-BHC	0.022	U
319-86-8	delta-BHC	0.022	U
58-89-9	gamma-BHC (Lindane)	0.022	U
76-44-8	Heptachlor	0.022	U
309-00-2	Aldrin	0.068	P
1024-57-3	Heptachlor epoxide	0.022	U
959-98-8	Endosulfan I	0.022	U
60-57-1	Dieldrin	0.044	U
72-55-9	4,4'-DDE	0.044	U
72-20-8	Endrin	0.044	U
33213-65-9	Endosulfan II	0.044	U
72-54-8	4,4'-DDD	0.044	U
1031-07-8	Endosulfan sulfate	0.044	U
50-29-3	4,4'-DDT	0.044	U
72-43-5	Methoxychlor	0.22	U
7421-93-4	Endrin aldehyde	0.044	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.14	U
11104-28-2	Aroclor-1221	0.14	U
1114-16-5	Aroclor-1232	0.14	U
53469-21-9	Aroclor-1242	0.14	U
12672-29-6	Aroclor-1248	0.14	U
11097-69-1	Aroclor-1254	0.14	U
11096-82-5	Aroclor-1260	0.14	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 900 (g/mL) mL Lab File ID: AKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.28	U
298-02-2	Phorate	0.056	U
298-00-0	Methyl Parathion	0.056	U
56-38-2	Parathion	0.056	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: AKJVB22

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
319-84-6	alpha-BHC	0.021	U
319-85-7	beta-BHC	0.021	U
319-86-8	delta-BHC	0.034	P
58-89-9	gamma-BHC (Lindane)	0.021	U
76-44-8	Heptachlor	0.021	U
309-00-2	Aldrin	0.065	P
1024-57-3	Heptachlor epoxide	0.021	U
959-98-8	Endosulfan I	0.021	U
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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: AKJVB22

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.26	U
298-02-2	Phorate	0.053	U
298-00-0	Methyl Parathion	0.053	U
56-38-2	Parathion	0.053	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPGW-01DL1

-b Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB34

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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	10.1	U
12674-11-2	Aroclor-1016	1.3	U
11104-28-2	Aroclor-1221	1.3	U
1114-16-5	Aroclor-1232	1.3	U
53469-21-9	Aroclor-1242	1.3	U
12672-29-6	Aroclor-1248	1.3	U
11097-69-1	Aroclor-1254	1.3	U
11096-82-5	Aroclor-1260	1.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPGW-01DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB34

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Methyl Parathion	0.50	U
56-38-2	Parathion	0.50	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 950 (g/mL) mL Lab File ID: AKJVB31

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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	0.042	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 950 (g/mL) mL Lab File ID: AKJVB31

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.26	U
298-02-2	Phorate	0.053	U
298-00-0	Methyl Parathion	0.053	U
56-38-2	Parathion	0.053	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: AKJVB27

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: AKJVB27

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB13

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC (Lindane)	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	0.13	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB13

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
57-74-9	Chlordane (tech.)	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-21DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: AKJVB30

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-21DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: AKJVB30

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Methyl Parathion	0.50	U
56-38-2	Parathion	0.50	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 980 (g/mL) mL Lab File ID: AKJVB29

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
319-84-6	alpha-BHC	0.020	U
319-85-7	beta-BHC	0.029	
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC (Lindane)	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 980 (g/mL) mL Lab File ID: AKJVB29

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.26	U
298-02-2	Phorate	0.051	U
298-00-0	Methyl Parathion	0.051	U
56-38-2	Parathion	0.051	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-3DL1

ab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 970 (g/mL) mL Lab File ID: AKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
319-84-6	alpha-BHC	0.21	U
319-85-7	beta-BHC	0.21	U
319-86-8	delta-BHC	0.43	
58-89-9	gamma-BHC (Lindane)	0.21	U
76-44-8	Heptachlor	0.21	U
309-00-2	Aldrin	0.21	U
1024-57-3	Heptachlor epoxide	0.21	U
959-98-8	Endosulfan I	0.21	U
60-57-1	Dieldrin	0.19	JP
72-55-9	4,4'-DDE	0.41	U
72-20-8	Endrin	0.25	JP
33213-65-9	Endosulfan II	0.41	U
72-54-8	4,4'-DDD	0.41	U
1031-07-8	Endosulfan sulfate	0.41	U
50-29-3	4,4'-DDT	0.26	JP
72-43-5	Methoxychlor	2.1	U
7421-93-4	Endrin aldehyde	0.41	U
8001-35-2	Toxaphene	10.3	U
12674-11-2	Aroclor-1016	1.3	U
11104-28-2	Aroclor-1221	1.3	U
1114-16-5	Aroclor-1232	1.3	U
53469-21-9	Aroclor-1242	1.3	U
12672-29-6	Aroclor-1248	1.3	U
11097-69-1	Aroclor-1254	1.3	U
11096-82-5	Aroclor-1260	1.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-3DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 970 (g/mL) mL Lab File ID: AKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	2.6	U
298-02-2	Phorate	0.52	U
298-00-0	Methyl Parathion	0.52	U
56-38-2	Parathion	0.52	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1020 (g/mL) mL Lab File ID: AKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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	0.039	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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1020 (g/mL) mL Lab File ID: AKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	0.24	U
298-02-2	Phorate	0.049	U
298-00-0	Methyl Parathion	0.049	U
56-38-2	Parathion	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-9DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB33

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/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 (Lindane)	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	0.63	U
11104-28-2	Aroclor-1221	0.63	U
1114-16-5	Aroclor-1232	0.63	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.63	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9MW-9DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 990 (g/mL) mL Lab File ID: AKJVB33

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/31/96

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/L	Q
57-74-9	Chlordane (tech.)	1.3	U
298-02-2	Phorate	0.25	U
298-00-0	Methyl Parathion	0.25	U
56-38-2	Parathion	0.25	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61336W
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
RB01-011596	9601336-02
FB02-011696	9601336-04
FB01-011696	9601336-05
RB01-011796	9601336-07
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13
S9MW-24	9601336-16
S9MW-19D	9601336-17
S9MW-21	9601336-19
S9MW-15	9601336-20
Blank	QC335929
Laboratory Control Sample (LCS)	QC335930
Laboratory Control Sample Duplicate (LCSD)	QC335931
S9MW-21 Matrix Spike (MS)	QC335932
S9MW-21 Duplicate (Dup)	QC335933
Blank	QC336919
LCS	QC336920
LCSD	QC336921
FB02-011696 (MS)	QC336922
FB02-011696 (Dup)	QC336923
RB01-011796 (MS)	QC342740
RB01-011796 (MSD)	QC342741

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding times. However, sample FB02-011696 was re-extracted out of holding due to surrogate failure. A Nonconformance Report (GEL-AS-OA-2166) has been generated and is included in the package.

Surrogate Analysis

Surrogates for sample FB02-011696 did not meet surrogate recovery criteria. The sample was re-extracted out of holding and the surrogates passed recovery criteria (see NCR# GEL-AS-OA-2166).. Both runs are reported on the forms and EDD.

Internal Standards

Internal standards for sample FB02-011696 did not meet internal standard criteria. The sample was re-extracted out of holding and the internal standards passed recovery criteria (see NCR# GEL-AS-OA-2166). Both runs are reported on the forms and EDD.

Blank Analysis

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

Spike Analysis

All MS samples met recovery criteria. Originally, only a MS and Dup were analyzed because a MSD was inadvertently not prepped (see NCR# GEL-AS-OA-2176). Per Brown & Root, a MS and MSD was extracted out of holding. The MS and MSD met quality control criteria for recoveries and relative percent differecne (RPD). Data is reported on the Form 1's, Form 3, and EDD for the MS and MSD prepped and analyzed out of holding. Currently, we do not have statistical process control (SPC) limits for RPD since MSD analysis is not a requirement for SW-846, therefore, CLP limits are being used. The MS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

LCS (QC336920) failed recovery criteria. However, the LCSD (QC336921) met recovery criteria and will be used to demonstrate accuracy, per Brown & Root. The LCS (QC335930) and LCSD (QC335931) originally analyzed met quality control criteria for recoveries and RPD. The limits are generated by SPC.

Dilutions

The samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-011696RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D411

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

Injection Volume: _____(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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
106-47-7	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.

FB02-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

Injection Volume: _____(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
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.

FB02-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

Injection Volume: _____(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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	10.0	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.

FB02-011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

Injection Volume: _____(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JBD 2/22/96

COMMENTS: THIS SAMPLE WAS REPREPPED AND REANALYZED DUE TO THE FAILURE OF AN INTERNAL STANDARD, FAILURE TO RETRIEVE A RECOVERY FOR PHENOL, AND 2,4,6-TRIBROMOPHENOL FAILING HIGH.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D212

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D212

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D212

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D212

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JAW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011596RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D410

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JRW 2/22/96

FORM I SV-4 3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-011796RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D412

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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	7.2	J
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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	12.6	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JAW 2/22/96

FORM I SV-4 3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW-01RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D417

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-15

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JKW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-15RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D420

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3--------	p-phenylenediamine_____	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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	5.4	J
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-17

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

DPW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-17RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D416

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JMW 2/22/96

FORM I SV-4 3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-19DRA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D419

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-21

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3D211

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-21

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3D211

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-21

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3D211

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-21

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3D211

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JMW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-21RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4D409

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JAW 2/22/96

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-24RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D418

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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	1.5	J
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

gpw 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-3RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D413

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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	2.5	J
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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-mehtylphenol	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

JPW 2/22/96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-6RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D415

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
108-39-4/106-44-5	3-methylphenol/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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
77-47-4	hexachlorocyclopentadiene	10.0	U
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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
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
62-75-9	N-methyl-N-nitrosomethylamine	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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 3D217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/23/96

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
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U
99-35-4	1,3,5-trinitrobenzene	50.0 ~~10.0~~	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0 ~~10.0~~	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	DAN 2/22/96 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 ~~10.0~~	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 ~~10.0~~	U
119-93-7	3,3'-dimethylbenzidine	50.0 ~~10.0~~	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW-9RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4D414

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/21/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 01/25/96

Injection Volume: 1.0(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
106-50-3	p-phenylenediamine	20.0	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61336W
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
TB01-011596	9601336-01
RB01-011596	9601336-02
TB01-011696	9601336-03
FB02-011696	9601336-04
FB01-011696	9601336-05
TB01-011796	9601336-06
RB01-011796	9601336-07
TB01-011596	9601336-08
S9MW-3	9601336-09
S9MW-9	9601336-10
S9MW-6	9601336-11
S9MW-17	9601336-12
S9DPGW-01	9601336-13
TB01-011396	9601336-14
TB01-011996	9601336-15
S9MW-24	9601336-16
S9MW-19D	9601336-17
TB02-011896	9601336-18
S9MW-21	9601336-19
S9MW-15	9601336-20
Blank	QC336492
Blank	QC341818
Laboratory Control Sample (LCS)	QC336495
S9MW-21 Post Spike (PS)	QC336493
S9MW-21 Post Spike Duplicate (PSD)	QC336494

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

All samples met surrogate recovery criteria.

Internal Standards

All samples met internal standard acceptance criteria.

Blank Analysis

Methylene Chloride and Carbon Disulfide were detected in the method blank at levels below the PQL.

Spike Analysis

The PS and PSD met quality control criteria for recovery and relative percent difference (RPD). The PS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Sample S9MW-24 was analyzed and reported neat and at dilutions of 25x and 50x in order to quanitate target analytes within the calibration range of the analytical equipment.

Additional Comments

The samples were analyzed using a capillary column.

Samples S9MW-9, S9MW-6, S9MW-24, and S9MW-21 were unpreserved with a pH of 7. A Nonconformance Report (GEL-AS-VO-300) has been generated and in included in the package.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	1.9	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	0.68	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	0.88	J
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	0.77	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.

FB01011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S214

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02011696

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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	0.86	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	2.2	
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	5.0	
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	7.2	
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	0.28	J
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	0.21	J
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	0.11	J
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB02011696

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S213

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	1.6	J
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	0.037	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	1.2	J
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S209

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	2.4	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	0.60	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	0.74	J
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.

RB01011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S209

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	2.0	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	0.52	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	0.66	J
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.

RB01011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S216

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPGW01

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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	0.19	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.

S9DPGW01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S222

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW15

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S228

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	2.0	U
67-64-1	acetone	11.9	
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	52.8	
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.

S9MW15

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S228

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW17

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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.

S9MW17

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S221

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW19D

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S226

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	2.0	U
67-64-1	acetone	29.2	
75-15-0	carbon disulfide	0.11	BJ
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	5.3	
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.

S9MW19D

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S226

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW19DCFO

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S304

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	2.0	U
67-64-1	acetone	26.8	
75-15-0	carbon disulfide	0.18	J
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.

S9MW19DCFO

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S304

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW21

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S205

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	6.4	
75-15-0	carbon disulfide	0.14	BJ
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	4.8	
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.

S9MW21

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S205

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S225

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	2.0	U
67-64-1	acetone	5.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	1.5	J
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	750	E
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	4.2	
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	0.27	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.

S9MW24

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S225

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	5.4	
107-02-8	Acrolein	20.0	U
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW24DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S305

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

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	50.0	U
74-83-9	bromomethane	50.0	U
75-01-4	vinyl chloride	50.0	U
75-00-3	chloroethane	50.0	U
75-09-2	methylene chloride	50.0	U
67-64-1	acetone	125	U
75-15-0	carbon disulfide	125	U
75-35-4	1,1-dichloroethene	50.0	U
75-34-3	1,1-dichloroethane	50.0	U
156-60-5	trans-1,2-dichloroethene	2640	E
67-66-3	chloroform	50.0	U
107-06-2	1,2-dichloroethane	50.0	U
78-93-3	2-butanone	125	U
71-55-6	1,1,1-trichloroethane	50.0	U
56-23-5	carbon tetrachloride	50.0	U
75-27-4	bromodichloromethane	50.0	U
78-87-5	1,2-dichloropropane	50.0	U
10061-01-5	cis-1,3-dichloropropene	50.0	U
79-01-6	trichloroethene	50.0	U
124-48-1	dibromochloromethane	50.0	U
79-00-5	1,1,2-trichloroethane	50.0	U
71-43-2	benzene	50.0	U
10061-02-6	trans-1,3-dichloropropene	50.0	U
75-25-2	bromoform	50.0	U
108-10-1	4-methyl-2-pentanone	125	U
591-78-6	2-hexanone	125	U
127-18-4	tetrachloroethene	50.0	U
79-34-5	1,1,2,2-tetrachloroethane	50.0	U
108-88-3	toluene	50.0	U
108-90-7	chlorobenzene	50.0	U
100-41-4	ethylbenzene	50.0	U
100-42-5	styrene	50.0	U
75-71-8	Dichlorodifluoromethane	50.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW24DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S305

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

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	50.0	U
107-13-1	Acrylonitrile	500	U
108-05-4	Vinyl Acetate	125	U
107-02-8	Acrolein	500	U
	xylenes (total)	150	U
74-88-4	Iodomethane	125	U
75-05-8	Acetonitrile	250	U
107-05-1	Allyl Chloride	250	U
126-99-8	2-Chloro-1,3-butadiene	50.0	U
126-98-7	Methacrylonitrile	250	U
78-83-1	Isobutyl Alcohol	500	U
107-12-0	Propionitrile	500	U
74-95-3	Dibromomethane	50.0	U
80-62-6	Methyl methacrylate	250	U
106-93-4	1,2-Dibromoethane	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane	50.0	U
96-18-4	1,2,3-Trichloropropane	50.0	U
110-57-6	trans-1,4-Dichloro-2-butene	250	U
108-60-1	bis(2-Chloro-isopropyl)ether	500	U
96-12-8	1,2-dibromo-3-chloropropane	50.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW24DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S306

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

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	100	U
74-83-9	bromomethane	100	U
75-01-4	vinyl chloride	100	U
75-00-3	chloroethane	100	U
75-09-2	methylene chloride	100	U
67-64-1	acetone	250	U
75-15-0	carbon disulfide	250	U
75-35-4	1,1-dichloroethene	100	U
75-34-3	1,1-dichloroethane	100	U
156-60-5	trans-1,2-dichloroethene	3060	
67-66-3	chloroform	100	U
107-06-2	1,2-dichloroethane	100	U
78-93-3	2-butanone	250	U
71-55-6	1,1,1-trichloroethane	100	U
56-23-5	carbon tetrachloride	100	U
75-27-4	bromodichloromethane	100	U
78-87-5	1,2-dichloropropane	100	U
10061-01-5	cis-1,3-dichloropropene	100	U
79-01-6	trichloroethene	100	U
124-48-1	dibromochloromethane	100	U
79-00-5	1,1,2-trichloroethane	100	U
71-43-2	benzene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U
75-25-2	bromoform	100	U
108-10-1	4-methyl-2-pentanone	250	U
591-78-6	2-hexanone	250	U
127-18-4	tetrachloroethene	100	U
79-34-5	1,1,2,2-tetrachloroethane	100	U
108-88-3	toluene	100	U
108-90-7	chlorobenzene	100	U
100-41-4	ethylbenzene	100	U
100-42-5	styrene	100	U
75-71-8	Dichlorodifluoromethane	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW24DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S306

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 50.0

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	100	U
107-13-1	Acrylonitrile	1000	U
108-05-4	Vinyl Acetate	250	U
107-02-8	Acrolein	1000	U
	xylenes (total)	300	U
74-88-4	Iodomethane	250	U
75-05-8	Acetonitrile	500	U
107-05-1	Allyl Chloride	500	U
126-99-8	2-Chloro-1,3-butadiene	100	U
126-98-7	Methacrylonitrile	500	U
78-83-1	Isobutyl Alcohol	1000	U
107-12-0	Propionitrile	1000	U
74-95-3	Dibromomethane	100	U
80-62-6	Methyl methacrylate	500	U
106-93-4	1,2-Dibromoethane	100	U
630-20-6	1,1,1,2-Tetrachloroethane	100	U
96-18-4	1,2,3-Trichloropropane	100	U
110-57-6	trans-1,4-Dichloro-2-butene	500	U
108-60-1	bis(2-Chloro-isopropyl)ether	1000	U
96-12-8	1,2-dibromo-3-chloropropane	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW3

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	67.8	
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.

S9MW3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S218

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S220

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	6.2	
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9MW9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S219

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.5	J
107-02-8	Acrolein	20.0	U
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011396

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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	0.24	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.

TB01011396

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S223

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011596

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S208

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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	0.23	J
108-88-3	toluene	0.22	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011596

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S208

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011696

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S210

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011696

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S210

Level: (low/med) LOW Date Received: 01/17/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011796

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S215

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011896

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011896

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S217

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011996

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S224

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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	2.0	U
67-64-1	acetone	5.0	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01011996

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S224

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/23/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02011896

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S227

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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	2.0	U
67-64-1	acetone	5.0	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	0.27	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.

TB02011896

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61336W

Matrix: (soil/water) WATER Lab Sample ID: 9601336-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1S227

Level: (low/med) LOW Date Received: 01/19/96

% Moisture: not dec. _____ Date Analyzed: 01/24/96

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
	xylenes (total)	6.0	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	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U

CASE NARRATIVE
SDG 61417W

SDG 61417W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

The following samples were analyzed for TAL Metals and Cyanide using ILM03.0 for ICP, Mercury, and Cyanide:

Sample Description	Laboratory Identification
RB01-012296	9601417-02
S9SW-01	9601417-04
S9SW-02	9601417-05
S9SW-03	9601417-06
S9SW-04	9601417-07
S9SW-05	9601417-08
S9DPSW-01	9601417-09
RB01-012496	9601417-12
S3SW-01	9601417-13
S3SW-02	9601417-14
S3SW-03	9601417-15
S3SW-04	9601417-16
S3DPSW-01	9601417-17
BG1SW-01	9601417-18
BG2SW-01	9601417-19
BG3SW-01	9601417-20
BG2SW-01 Matrix Spike (MS)	QC337119 - ICP
	QC339020 - Hg
	QC337647 - CN
BG2SW-01 Duplicate (Dup)	QC337120 - ICP
	QC339019 - Hg
	QC337646 - CN
BG2SW-01 Post Spike (PS)	QC342269 - ICP
Blank	QC337118 - ICP
	QC337018 - Hg
	QC337648 - CN
Laboratory Control Sample (LCS)	QC337121- ICP
	QC337021 - Hg
	QC337649 - CN
Laboratory Control Sample Duplicate (LCSD)	QC337122 - ICP
	QC337650 - CN

Instrument Calibration

All 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, Calcium, Iron, and Magnesium were detected in the ICP method blank at levels greater than the instrument detection limits (IDL), but below the contract reporting limit (CRDL). No target analytes were detected in the method blank for Mercury analysis at levels greater than the IDL. Cyanide was detected in the method blank at levels greater than the IDL, but below the reporting limit (CRDL).

Spike and Duplication Analysis

The MS and PS for ICP failed the quality control criteria for Barium, Beryllium, Cadmium, Manganese, Nickel, and Thallium as indicated by the "N" flag. The Dup did not meet the recovery criteria for Thallium, as indicated by the "*" flag. Mercury and Cyanide met the quality control criteria for recovery and relative percent difference (RPD).

Laboratory Control Sample Analysis

The LCS and LCSD for the ICP, Mercury, and Cyanide analysis met the recommended quality control limits for recovery and RPD. The limits are generated by statistical process control (SPC).

Dilutions

Magnesium, Potassium, and Sodium were over the ICP linear range and required 500x dilutions on samples S9SW-01, S9SW-02, S9SW-03, S9SW-04, S9SW-05, S9DPSW-01, BG2SW-01, and BG3SW-01. Sodium was over the ICP linear range and required 500x dilutions on samples S3SW-01, S3SW-02, S3SW-03, S3SW-04, S3DPSW-01, and BG1SW-01. Due to negative interference, Manganese and Zinc were analyzed at 2x dilutions for samples S9SW-01, S9SW-02, S9SW-03, S9SW-04, S9SW-05, S9DPSW-01, BG2SW-01, and BG3SW-01. No dilutions were required for Mercury or Cyanide.

Additional Comments

Samples S9SW-01, S9SW-02, S9SW-03, S9SW-04, S9SW-05, S9DPSW-01, BG2SW-01, and BG3SW-01 were diluted below the contract required detection limit (CRDL) for Magnesium and Potassium. The diluted results were considerably above the instrument detection limits for these analytes.

The reported Thallium results for samples S9DPSW-01 and BG2SW-01 are questionable due to the high relative standard deviation for both samples. Due to poor MS recovery and high RPD a matrix interference is suspected.

Please note that the recorded pH on the Cyanide distillation log is lower than 12.

One "E" flag resulted from the serial dilution analysis of Calcium.

Due to the limitations of the lab qualifier on the EDD, we are experiencing instances that require three qualifiers. Since the field is two character lengths, any additional qualifiers will be added to the comments field.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG1SW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-18

Level (low/med): LOW__ Date Received: 01/27/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	7.9	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	105000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	193000			P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury__	0.48			AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	70600			P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	1720000	B		P
7440-28-0	Thallium_	4.5	U	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	2.5	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG2SW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-19

Level (low/med): LOW__ Date Received: 01/27/96

% 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	11.1	U		P
7440-36-0	Antimony	3.5	B		P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	7.0	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	323000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	1360000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	418000	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	11800000			P
7440-28-0	Thallium	12.0		N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	2.8	U		P
74-90-8	Cyanide	3.1	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG3SW-01

La ame: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-20

Level (low/med): LOW__ Date Received: 01/27/96

% 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	11.1	U		P
7440-36-0	Antimony	7.3	B		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	5.8	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	326000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	3.9	B		P
7439-95-4	Magnesium	1320000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	404000	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	11400000			P
7440-28-0	Thallium	7.4	B	N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	2.8	U		P
74-90-8	Cyanide	0.97	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-02

Level (low/med): LOW__ Date Received: 01/23/96

% 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_	67.6	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	0.60	U	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	101	B	E	P
7440-47-3	Chromium_	1.4	B		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	2.9	B		P
7439-89-6	Iron____	32.1	B		P
7439-92-1	Lead____	4.5	B		P
7439-95-4	Magnesium	50.6	B		P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.1	B	N	P
7440-09-7	Potassium	8.4	U		P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	75.3	B		P
7440-28-0	Thallium_	4.5	U	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	5.1	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-12

Level (low/med): LOW__ Date Received: 01/26/96

% 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	23.5	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	0.60	U	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	50.3	B	E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	5.9	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	10.2	B		P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	11.3	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	189	B		P
7440-28-0	Thallium	4.5	U	N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	3.2	B		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3DPSW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-17

Level (low/med): LOW__ Date Received: 01/26/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	6.9	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	143000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	19.7	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	307000			P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	105000			P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	2740000			P
7440-28-0	Thallium_	4.5	U	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	3.7	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-13

Level (low/med): LOW__ Date Received: 01/26/96

% 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	11.1	U		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	6.9	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	170000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	25.1	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	342000			P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	108000			P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	2750000			P
7440-28-0	Thallium	4.5	U	N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	1.4	U		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SW-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-14

Level (low/med): LOW__ Date Received: 01/26/96

% 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_	26.3	B		P_
7440-36-0	Antimony_	2.6	U		P_
7440-38-2	Arsenic__	4.9	U		P_
7440-39-3	Barium___	6.7	B	N	P_
7440-41-7	Beryllium	0.30	U	N	P_
7440-43-9	Cadmium__	0.40	U	N	P_
7440-70-2	Calcium__	142000		E	P_
7440-47-3	Chromium_	0.90	U		P_
7440-48-4	Cobalt___	0.80	U		P_
7440-50-8	Copper___	1.2	U		P_
7439-89-6	Iron_____	25.2	B		P_
7439-92-1	Lead_____	1.8	U		P_
7439-95-4	Magnesium	308000			P_
7439-96-5	Manganese	0.60	U	N	P_
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.2	B	N	P_
7440-09-7	Potassium	109000			P_
7782-49-2	Selenium_	4.8	U		P_
7440-22-4	Silver___	0.70	U		P_
7440-23-5	Sodium___	2690000			P_
7440-28-0	Thallium_	8.5	B	N*	P_
7440-62-2	Vanadium_	0.70	U		P_
7440-66-6	Zinc_____	1.4	U		P_
74-90-8__	Cyanide__	36.8			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SW-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-15

Level (low/med): LOW__ Date Received: 01/26/96

% 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_	67.2	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	8.9	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	149000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	34.4			P
7439-89-6	Iron____	67.6	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	354000			P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.6	B	N	P
7440-09-7	Potassium	119000			P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	3270000			P
7440-28-0	Thallium_	6.5	B	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	62.7			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SW-04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-16

Level (low/med): LOW__ Date Received: 01/26/96

% 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_	19.1	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	6.5	B		P
7440-39-3	Barium___	7.2	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	153000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.3	B		P
7439-89-6	Iron____	6.3	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	316000			P
7439-96-5	Manganese	0.60	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	110000			P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	2780000			P
7440-28-0	Thallium_	7.1	B	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	3.8	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9DPSW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-09

Level (low/med): LOW__ Date Received: 01/23/96

% 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_	11.1	U		P
7440-36-0	Antimony_	4.2	B		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	7.3	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	346000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	19.1	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	1160000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	351000	B		P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	9900000			P
7440-28-0	Thallium_	10.1		N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	2.8	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-04

Level (low/med): LOW__ Date Received: 01/23/96

% 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_	11.1	U		P
7440-36-0	Antimony_	5.3	B		P
7440-38-2	Arsenic__	6.7	B		P
7440-39-3	Barium___	6.7	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	309000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	352000			P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	9910000			P
7440-28-0	Thallium_	9.5	B	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	2.8	U		P
74-90-8__	Cyanide__	45.2			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SW-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-05

Level (low/med): LOW__ Date Received: 01/23/96

% 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	11.1	U		P
7440-36-0	Antimony	3.6	B		P
7440-38-2	Arsenic	6.1	B		P
7440-39-3	Barium	6.8	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	333000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	351000	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	9860000			P
7440-28-0	Thallium	8.4	B	N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	2.8	U		P
74-90-8	Cyanide	3.6	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SW-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-06

Level (low/med): LOW__ Date Received: 01/23/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.9	B		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	7.0	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	343000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	1220000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury__	0.13	B		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	364000	B		P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	10300000			P
7440-28-0	Thallium_	5.6	B	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	2.8	U		P
74-90-8__	Cyanide__	0.98	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-07

Level (low/med): LOW__ Date Received: 01/23/96

% 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	11.1	U		P
7440-36-0	Antimony	3.7	B		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	6.8	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	344000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	3.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.6	B	N	P
7440-09-7	Potassium	352000	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	9980000			P
7440-28-0	Thallium	10	B	N*	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	2.8	U		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61417W

Matrix (soil/water): WATER Lab Sample ID: 9601417-08

Level (low/med): LOW__ Date Received: 01/23/96

% 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_	11.1	U		P
7440-36-0	Antimony_	3.2	B		P
7440-38-2	Arsenic__	5.3	B		P
7440-39-3	Barium___	6.8	B	N	P
7440-41-7	Beryllium	0.30	U	N	P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	342000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	1180000			P
7439-96-5	Manganese	1.2	U	N	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P
7440-09-7	Potassium	353000	B		P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	9970000			P
7440-28-0	Thallium_	8.1	B	N*	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	2.8	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 61417W
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
RB01-012296	9601417-02
S9SW-01	9601417-04
S9SW-02	9601417-05
S9SW-03	9601417-06
S9SW-04	9601417-07
S9SW-05	9601417-08
S9DPSW-01	9601417-09
RB01-012496	9601417-12
BG1SW-01	9601417-18
BG2SW-01	9601417-19
BG3SW-01	9601417-20
Blank	QC337641
Laboratory Control Sample (LCS)	QC337642
Laboratory Control Sample Duplicate (LCSD)	QC337643
BG2SW-01 Matrix Spike (MS)	QC337644
BG2SW-01 Matrix Spike Duplicate (MSD)	QC337645

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), with the exception of 2,4-D, which failed RPD criteria. The LCS and LCSD can be used to demonstrate precision for 2,4-D. The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples.

Additional Comments

The continuing calibration check standard failed acceptance criteria on the confirmation column for 2,4-D, Silvex, and 2,4-DCAA. The primary column met acceptance criteria on 2/10/96 for ECD2A. All compounds met acceptance criteria on ECD6A on 2/29/96.

The calibration curve for silvex on the confirmation column was not 0.995 or greater for the correlation coefficient. The primary column (reporting column) did have an acceptable curve. Silvex was not detected in any of the samples. Silvex met acceptance criteria on ECD6A.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG1SW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1045 (g/mL) mL Lab File ID: 006F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	U
95-76-5	2,4,5-T	0.19	U
93-72-1	SILVEX	0.096	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG2SW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 1005 (g/mL) mL Lab File ID: 007F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG3SW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1025 (g/mL) mL Lab File ID: 008F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.098	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RB01-012296

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 945 (g/mL) mL Lab File ID: APBJB57

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RB01-012496

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 930 (g/mL) mL Lab File ID: 005F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

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	0.22	U
95-76-5	2,4,5-T	0.22	U
93-72-1	SILVEX	0.11	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9DPSW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 990 (g/mL) mL Lab File ID: 004F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	U
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1055 (g/mL) mL Lab File ID: APBJB58

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	U
95-76-5	2,4,5-T	0.19	U
93-72-1	SILVEX	0.095	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SW-02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1040 (g/mL) mL Lab File ID: APBJB59

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	U
95-76-5	2,4,5-T	0.19	U
93-72-1	SILVEX	0.096	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SW-03

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1030 (g/mL) mL Lab File ID: APBJB60

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	U
95-76-5	2,4,5-T	0.19	U
93-72-1	SILVEX	0.097	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SW-04

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 1035 (g/mL) mL Lab File ID: APBJB61

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	U
95-76-5	2,4,5-T	0.19	U
93-72-1	SILVEX	0.097	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SW-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 003F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/28/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/19/96

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	0.13	JP
95-76-5	2,4,5-T	0.20	U
93-72-1	SILVEX	0.099	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 61417W
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
RB01-012296	9601417-02
S9SW-01	9601417-04
S9SW-02	9601417-05
S9SW-03	9601417-06
S9SW-04	9601417-07
S9SW-05	9601417-08
S9DPSW-01	9601417-09
RB01-012496	9601417-12
BG1SW-01	9601417-18
BG2SW-01	9601417-19
BG3SW-01	9601417-20
Blank	QC337636
Laboratory Control Sample (LCS)	QC337637
Laboratory Control Sample Duplicate (LCSD)	QC337638
BG2SW-01 Matrix Spike (MS)	QC337639
BG2SW-01 Matrix Spike Duplicate (MSD)	QC337640

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: TCX failed on both columns for samples S9SW-05 and BG1SW-01, 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 analyzed met quality control criteria for recoveries and RPD. The limits are generated by SPC.

Dilutions

The samples were analyzed undiluted.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB27

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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	0.019	U
319-85-7	beta-BHC	0.019	U
319-86-8	delta-BHC	0.019	U
58-89-9	gamma-BHC (Lindane)	0.019	U
76-44-8	Heptachlor	0.019	U
309-00-2	Aldrin	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
959-98-8	Endosulfan I	0.019	U
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	0.19	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.97	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 (tech.)	0.24	U
298-02-2	Phorate	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB27

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.048	U
56-38-2	Parathion	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: AKJVB28

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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 (Lindane)	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: AKJVB28

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: AKJVB29

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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 (Lindane)	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SW-01

·b Name: GENERAL ENGINEERING LABOR Contract:

L.. Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: AKJVB29

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/27/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-012296

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: AKJVB18

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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 (Lindane)	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-012296

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: AKJVB18

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-012496

b Name: GENERAL ENGINEERING LABOR Contract:

1 Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 920 (g/mL) mL Lab File ID: AKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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	0.026	
319-85-7	beta-BHC	0.022	U
319-86-8	delta-BHC	0.022	U
58-89-9	gamma-BHC (Lindane)	0.022	U
76-44-8	Heptachlor	0.022	U
309-00-2	Aldrin	0.049	
1024-57-3	Heptachlor epoxide	0.022	U
959-98-8	Endosulfan I	0.022	U
60-57-1	Dieldrin	0.043	U
72-55-9	4,4'-DDE	0.043	U
72-20-8	Endrin	0.043	U
33213-65-9	Endosulfan II	0.043	U
72-54-8	4,4'-DDD	0.043	U
1031-07-8	Endosulfan sulfate	0.043	U
50-29-3	4,4'-DDT	0.043	U
72-43-5	Methoxychlor	0.22	U
7421-93-4	Endrin aldehyde	0.043	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.14	U
11104-28-2	Aroclor-1221	0.14	U
1114-16-5	Aroclor-1232	0.14	U
53469-21-9	Aroclor-1242	0.14	U
12672-29-6	Aroclor-1248	0.14	U
11097-69-1	Aroclor-1254	0.14	U
11096-82-5	Aroclor-1260	0.14	U
57-74-9	Chlordane (tech.)	0.27	U
298-02-2	Phorate	0.054	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

RB01-012496

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 920 (g/mL) mL Lab File ID: AKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.054	U
56-38-2	Parathion	0.054	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSW-01

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: AKJVB25

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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 (Lindane)	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	0.039	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 (tech.)	0.24	U
298-02-2	Phorate	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9DPSW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: AKJVB25

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.049	U
56-38-2	Parathion	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-01

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1025 (g/mL) mL Lab File ID: AKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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 (Lindane)	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	0.039	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 (tech.)	0.24	U
298-02-2	Phorate	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1025 (g/mL) mL Lab File ID: AKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.049	U
56-38-2	Parathion	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-02

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: AKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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 (Lindane)	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-02

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: AKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-03

b Name: GENERAL ENGINEERING LABOR Contract:

I Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB21

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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	0.019	U
319-85-7	beta-BHC	0.019	U
319-86-8	delta-BHC	0.019	U
58-89-9	gamma-BHC (Lindane)	0.019	U
76-44-8	Heptachlor	0.019	U
309-00-2	Aldrin	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
959-98-8	Endosulfan I	0.019	U
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	0.19	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.97	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 (tech.)	0.24	U
298-02-2	Phorate	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-03

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB21

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.048	U
56-38-2	Parathion	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-04

h Name: GENERAL ENGINEERING LABOR Contract:

I Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB23

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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	0.019	J
319-85-7	beta-BHC	0.019	U
319-86-8	delta-BHC	0.019	U
58-89-9	gamma-BHC (Lindane)	0.019	U
76-44-8	Heptachlor	0.019	U
309-00-2	Aldrin	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
959-98-8	Endosulfan I	0.019	U
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	0.19	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.97	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 (tech.)	0.24	U
298-02-2	Phorate	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-04

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 1030 (g/mL) mL Lab File ID: AKJVB23

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.048	U
56-38-2	Parathion	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-05

'b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 1040 (g/mL) mL Lab File ID: AKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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	0.019	U
319-86-8	delta-BHC	0.019	U
58-89-9	gamma-BHC (Lindane)	0.019	U
76-44-8	Heptachlor	0.019	U
309-00-2	Aldrin	0.019	U
1024-57-3	Heptachlor epoxide	0.019	U
959-98-8	Endosulfan I	0.019	U
60-57-1	Dieldrin	0.038	U
72-55-9	4,4'-DDE	0.038	U
72-20-8	Endrin	0.038	U
33213-65-9	Endosulfan II	0.038	U
72-54-8	4,4'-DDD	0.038	U
1031-07-8	Endosulfan sulfate	0.038	U
50-29-3	4,4'-DDT	0.038	U
72-43-5	Methoxychlor	0.19	U
7421-93-4	Endrin aldehyde	0.038	U
8001-35-2	Toxaphene	0.96	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 (tech.)	0.24	U
298-02-2	Phorate	0.048	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 1040 (g/mL) mL Lab File ID: AKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/24/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:01/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/03/96

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
298-00-0	Methyl Parathion	0.048	U
56-38-2	Parathion	0.048	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61417W
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
RB01-012296	9601417-02
S9SW-01	9601417-04
S9SW-02	9601417-05
S9SW-03	9601417-06
S9SW-04	9601417-07
S9SW-05	9601417-08
S9DPSW-01	9601417-09
RB01-012496	9601417-12
BG1SW-01	9601417-18
BG2SW-01	9601417-19
BG3SW-01	9601417-20
Blank	QC337631
Laboratory Control Sample (LCS)	QC337632
Laboratory Control Sample Duplicate (LCSD)	QC337633
BG2SW-01 Matrix Spike (MS)	QC337634
BG2SW-01 Matrix Spike Duplicate (MSD)	QC337635
Blank	QC341390
LCS	QC341391
LCSD	QC341392
S9SW-04 (MS)	QC341393
S9SW-04 (MSD)	QC341394

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

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

Holding Times

All samples were initially analyzed within the technical holding times. However, samples S9SW-03, S9SW-04, S9SW-05, and BG1SW-01 were re-extracted out of holding due to initial surrogate failure. A Nonconformance Report (GEL-AS-OA-2188) has been generated and is included in the package.

Surrogate Analysis

Samples S9SW-03, S9SW-04, S9SW-05, BG1SW-01, BG2SW-01, QC337634, and QC337634 did not meet surrogate recovery criteria. Samples S9SW-03, S9SW-04, and BG1SW-01were re-extracted out of holding and the re-analyses also failed surrogate recovery criteria. Matrix interference was confirmed by the re-analyses. Data from both analyses are reported on the forms and EDD. Sample BG2SW-01 was not re-extracted because surrogates failed in the sample as well as in the corresponding QC (QC337634, and QC337634), therefore, 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

All MS and MSD samples failed QC criteria due to matrix interference. The MS limits are generated by Statistical Process Control (SPC). The LCS and LCSD can be used to demonstrate accuracy and precision.

Laboratory Control Samples

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

Dilutions

The samples were analyzed undiluted.

Additional Comments

Although sample RB01-011796 is not included in this SDG, all of the forms and raw data for the matrix spike and matrix spike duplicate (QC342740 and QC342741) are included in this package. The forms for the parent sample can be found in the package received by Brown & Root on 2/23/96.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F521

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F521

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F521

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F521

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G415

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.1	U
95-48-7	2-methylphenol	10.1	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.1	U
67-72-1	hexachloroethane	10.1	U
98-95-3	nitrobenzene	10.1	U
87-68-3	hexachlorobutadiene	10.1	U
88-06-2	2,4,6-trichlorophenol	10.1	U
95-95-4	2,4,5-trichlorophenol	10.1	U
121-14-2	2,4-dinitrotoluene	10.1	U
118-74-1	hexachlorobenzene	10.1	U
87-86-5	pentachlorophenol	10.1	U
62-53-3	aniline	10.1	U
108-95-2	phenol	10.1	U
111-44-4	bis(2-chloroethyl)ether	10.1	U
95-57-8	2-chlorophenol	10.1	U
541-73-1	1,3-dichlorobenzene	10.1	U
106-46-7	1,4-dichlorobenzene	10.1	U
100-51-6	benzyl alcohol	10.1	U
95-50-1	1,2-dichlorobenzene	10.1	U
98-86-2	acetophenone	10.1	U
621-64-7	N-nitroso-di-n-propylamine	10.1	U
78-59-1	isophorone	10.1	U
88-75-5	2-nitrophenol	10.1	U
105-67-9	2,4-dimethylphenol	10.1	U
111-91-1	bis(2-chloroethoxy)methane	10.1	U
120-83-2	2,4-dichlorophenol	10.1	U
120-82-1	1,2,4-trichlorobenzene	10.1	U
91-20-3	naphthalene	10.1	U
106-47-8	4-chloroaniline	10.1	U
59-50-7	4-chloro-3-methylphenol	10.1	U
91-57-6	2-methylnaphthalene	10.1	U
77-47-4	hexachlorocyclopentadiene	10.1	U
91-58-7	2-chloronaphthalene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G415

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.1	U
131-11-3	dimethylphthalate	10.1	U
209-96-8	acenaphthylene	10.1	U
606-20-2	2,6-dinitrotoluene	10.1	U
99-09-2	3-nitroaniline	10.1	U
83-32-9	acenaphthene	10.1	U
51-28-5	2,4-dinitrophenol	20.2	U
132-64-9	dibenzofuran	10.1	U
100-02-7	4-nitrophenol	10.1	U
84-66-2	diethylphthalate	10.1	U
7005-72-3	4-chlorophenylphenylether	10.1	U
86-73-7	fluorene	10.1	U
100-01-6	4-nitroaniline	10.1	U
534-52-1	4,6-dinitro-2-methylphenol	10.1	U
86-30-6	N-nitroso-diphenylamine	10.1	U
101-55-3	4-bromophenylphenylether	10.1	U
85-01-8	phenanthrene	10.1	U
120-12-7	anthracene	10.1	U
84-74-2	di-n-butylphthalate	10.1	U
206-44-0	fluoranthene	10.1	U
129-00-0	pyrene	10.1	U
85-68-7	butylbenzylphthalate	10.1	U
91-94-1	3,3'-dichlorobenzidine	50.5	U
56-55-3	benzo(a)anthracene	10.1	U
218-01-9	chrysene	10.1	U
117-81-7	bis(2-ethylhexyl)phthalate	10.1	U
117-84-0	di-n-octylphthalate	10.1	U
205-99-2	benzo(b)fluoranthene	10.1	U
207-08-9	benzo(k)fluoranthene	10.1	U
50-32-8	benzo(a)pyrene	10.1	U
193-39-5	indeno(1,2,3-cd)pyrene	10.1	U
53-70-3	dibenz(a,h)anthracene	10.1	U
191-24-2	benzo(g,h,i)perylene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G415

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	10.1	U
123-91-1	1,4-dioxane	10.1	U
80-62-6	methyl methacrylate	10.1	U
97-63-2	ethyl methacrylate	10.1	U
109-06-8	2-picoline	10.1	U
10595-95-6	n-nitrosomethylethylamine	10.1	U
66-27-3	methyl methanesulfonate	10.1	U
55-18-5	n-nitrosodiethylamine	10.1	U
62-50-0	ethyl methanesulfonate	10.1	U
76-01-7	pentachloroethane	10.1	U
930-55-2	n-nitrosopyrrolidine	10.1	U
59-89-2	n-nitrosomorpholine	10.1	U
95-53-4	o-toluidine	10.1	U
100-75-4	n-nitrosopiperdine	10.1	U
122-09-8	a,a-dimethylphenethylamine	10.1	U
126-68-1	triethylphosphorothioate	10.1	U
87-65-0	2,6-dichlorophenol	10.1	U
1888-71-7	hexachloropropene	10.1	U
106-50-3	p-phenylenediamine	20.2	U
924-16-3	n-nitroso-di-n-butylamine	10.1	U
94-59-7	safrole	10.1	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.1	U
120-58-1	isosafrole	10.1	U
130-15-4	1,4-naphthoquinone	10.1	U
99-65-0	m-dinitrobenzene	10.1	U
608-93-5	pentachlorobenzene	10.1	U
134-32-7	1-naphthylamine	10.1	U
91-59-8	2-naphthylamine	10.1	U
58-90-2	2,3,4,6-tetrachlorophenol	10.1	U
99-55-8	5-nitro-o-toluidine	10.1	U
297-97-2	thionazine	10.1	U
122-39-4	diphenylamine	10.1	U
3689-24-5	sulfotepp	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G415

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.5	U
62-44-2	phenacetin	10.1	U
2303-16-4	diallate	10.1	U
60-51-5	dimethoate	50.5	U
92-67-1	4-aminobiphenyl	10.1	U
82-68-8	pentachloronitrobenzene	10.1	U
23950-58-5	pronamide	10.1	U
88-85-7	dinoseb	10.1	U
298-04-4	disulfoton	10.1	U
56-57-5	4-nitroquinoline-1-oxide	10.1	U
135-23-9	methapyrilene	50.5	U
465-73-6	isodrin	10.1	U
140-57-8	aramite	10.1	U
143-50-0	kepone	10.1	U
60-11-7	p-(dimethylamino)azobenzene	10.1	U
510-15-6	chlorobenzilate	50.5	U
119-93-7	3,3'-dimethylbenzidine	50.5	U
52-85-7	famphur	10.1	U
53-96-3	2-acetylaminofluorene	10.1	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.1	U
59-49-5	3-methylcholanthrene	10.1	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1F512

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1F512

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1F512

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/27/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1F512

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F522

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

BG3SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F522

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

BG3SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F522

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

BG3SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F522

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
95-48-7	2-methylphenol	10.5	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.5	U
67-72-1	hexachloroethane	10.5	U
98-95-3	nitrobenzene	10.5	U
87-68-3	hexachlorobutadiene	10.5	U
88-06-2	2,4,6-trichlorophenol	10.5	U
95-95-4	2,4,5-trichlorophenol	10.5	U
121-14-2	2,4-dinitrotoluene	10.5	U
118-74-1	hexachlorobenzene	10.5	U
87-86-5	pentachlorophenol	10.5	U
62-53-3	aniline	10.5	U
108-95-2	phenol	10.5	U
111-44-4	bis(2-chloroethyl)ether	10.5	U
95-57-8	2-chlorophenol	10.5	U
541-73-1	1,3-dichlorobenzene	10.5	U
106-46-7	1,4-dichlorobenzene	10.5	U
100-51-6	benzyl alcohol	10.5	U
95-50-1	1,2-dichlorobenzene	10.5	U
98-86-2	acetophenone	10.5	U
621-64-7	N-nitroso-di-n-propylamine	10.5	U
78-59-1	isophorone	10.5	U
88-75-5	2-nitrophenol	10.5	U
105-67-9	2,4-dimethylphenol	10.5	U
111-91-1	bis(2-chloroethoxy)methane	10.5	U
120-83-2	2,4-dichlorophenol	10.5	U
120-82-1	1,2,4-trichlorobenzene	10.5	U
91-20-3	naphthalene	10.5	U
106-47-8	4-chloroaniline	10.5	U
59-50-7	4-chloro-3-methylphenol	10.5	U
91-57-6	2-methylnaphthalene	10.5	U
77-47-4	hexachlorocyclopentadiene	10.5	U
91-58-7	2-chloronaphthalene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
131-11-3	dimethylphthalate	10.5	U
209-96-8	acenaphthylene	10.5	U
606-20-2	2,6-dinitrotoluene	10.5	U
99-09-2	3-nitroaniline	10.5	U
83-32-9	acenaphthene	10.5	U
51-28-5	2,4-dinitrophenol	21.0	U
132-64-9	dibenzofuran	10.5	U
100-02-7	4-nitrophenol	10.5	U
84-66-2	diethylphthalate	10.5	U
7005-72-3	4-chlorophenylphenylether	10.5	U
86-73-7	fluorene	10.5	U
100-01-6	4-nitroaniline	10.5	U
534-52-1	4,6-dinitro-2-methylphenol	10.5	U
86-30-6	N-nitroso-diphenylamine	10.5	U
101-55-3	4-bromophenylphenylether	10.5	U
85-01-8	phenanthrene	10.5	U
120-12-7	anthracene	10.5	U
84-74-2	di-n-butylphthalate	10.5	U
206-44-0	fluoranthene	10.5	U
129-00-0	pyrene	10.5	U
85-68-7	butylbenzylphthalate	10.5	U
91-94-1	3,3'-dichlorobenzidine	52.6	U
56-55-3	benzo(a)anthracene	10.5	U
218-01-9	chrysene	10.5	U
117-81-7	bis(2-ethylhexyl)phthalate	10.5	U
117-84-0	di-n-octylphthalate	10.5	U
205-99-2	benzo(b)fluoranthene	10.5	U
207-08-9	benzo(k)fluoranthene	10.5	U
50-32-8	benzo(a)pyrene	10.5	U
193-39-5	indeno(1,2,3-cd)pyrene	10.5	U
53-70-3	dibenz(a,h)anthracene	10.5	U
191-24-2	benzo(g,h,i)perylene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	10.5	U
123-91-1	1,4-dioxane	10.5	U
80-62-6	methyl methacrylate	10.5	U
97-63-2	ethyl methacrylate	10.5	U
109-06-8	2-picoline	10.5	U
10595-95-6	n-nitrosomethylethylamine	10.5	U
66-27-3	methyl methanesulfonate	10.5	U
55-18-5	n-nitrosodiethylamine	10.5	U
62-50-0	ethyl methanesulfonate	10.5	U
76-01-7	pentachloroethane	10.5	U
930-55-2	n-nitrosopyrrolidine	10.5	U
59-89-2	n-nitrosomorpholine	10.5	U
95-53-4	o-toluidine	10.5	U
100-75-4	n-nitrosopiperdine	10.5	U
122-09-8	a,a-dimethylphenethylamine	10.5	U
126-68-1	triethylphosphorothioate	10.5	U
87-65-0	2,6-dichlorophenol	10.5	U
1888-71-7	hexachloropropene	10.5	U
106-50-3	p-phenylenediamine	21.0	U
924-16-3	n-nitroso-di-n-butylamine	10.5	U
94-59-7	safrole	10.5	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.5	U
120-58-1	isosafrole	10.5	U
130-15-4	1,4-naphthoquinone	10.5	U
99-65-0	m-dinitrobenzene	10.5	U
608-93-5	pentachlorobenzene	10.5	U
134-32-7	1-naphthylamine	10.5	U
91-59-8	2-naphthylamine	10.5	U
58-90-2	2,3,4,6-tetrachlorophenol	10.5	U
99-55-8	5-nitro-o-toluidine	10.5	U
297-97-2	thionazine	10.5	U
122-39-4	diphenylamine	10.5	U
3689-24-5	sulfotepp	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	52.6	U
62-44-2	phenacetin	10.5	U
2303-16-4	diallate	10.5	U
60-51-5	dimethoate	52.6	U
92-67-1	4-aminobiphenyl	10.5	U
82-68-8	pentachloronitrobenzene	10.5	U
23950-58-5	pronamide	10.5	U
88-85-7	dinoseb	10.5	U
298-04-4	disulfoton	10.5	U
56-57-5	4-nitroquinoline-1-oxide	10.5	U
135-23-9	methapyrilene	52.6	U
465-73-6	isodrin	10.5	U
140-57-8	aramite	10.5	U
143-50-0	kepone	10.5	U
60-11-7	p-(dimethylamino)azobenzene	10.5	U
510-15-6	chlorobenzilate	52.6	U
119-93-7	3,3'-dimethylbenzidine	52.6	U
52-85-7	famphur	10.5	U
53-96-3	2-acetylaminofluorene	10.5	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.5	U
59-49-5	3-methylcholanthrene	10.5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1F520

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	11.1	U
95-48-7	2-methylphenol	11.1	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	11.1	U
67-72-1	hexachloroethane	11.1	U
98-95-3	nitrobenzene	11.1	U
87-68-3	hexachlorobutadiene	11.1	U
88-06-2	2,4,6-trichlorophenol	11.1	U
95-95-4	2,4,5-trichlorophenol	11.1	U
121-14-2	2,4-dinitrotoluene	11.1	U
118-74-1	hexachlorobenzene	11.1	U
87-86-5	pentachlorophenol	11.1	U
62-53-3	aniline	11.1	U
108-95-2	phenol	11.1	U
111-44-4	bis(2-chloroethyl)ether	11.1	U
95-57-8	2-chlorophenol	11.1	U
541-73-1	1,3-dichlorobenzene	11.1	U
106-46-7	1,4-dichlorobenzene	11.1	U
100-51-6	benzyl alcohol	11.1	U
95-50-1	1,2-dichlorobenzene	11.1	U
98-86-2	acetophenone	11.1	U
621-64-7	N-nitroso-di-n-propylamine	11.1	U
78-59-1	isophorone	11.1	U
88-75-5	2-nitrophenol	11.1	U
105-67-9	2,4-dimethylphenol	11.1	U
111-91-1	bis(2-chloroethoxy)methane	11.1	U
120-83-2	2,4-dichlorophenol	11.1	U
120-82-1	1,2,4-trichlorobenzene	11.1	U
91-20-3	naphthalene	11.1	U
106-47-8	4-chloroaniline	11.1	U
59-50-7	4-chloro-3-methylphenol	11.1	U
91-57-6	2-methylnaphthalene	11.1	U
77-47-4	hexachlorocyclopentadiene	11.1	U
91-58-7	2-chloronaphthalene	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1F520

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	11.1	U
131-11-3	dimethylphthalate	11.1	U
209-96-8	acenaphthylene	11.1	U
606-20-2	2,6-dinitrotoluene	11.1	U
99-09-2	3-nitroaniline	11.1	U
83-32-9	acenaphthene	11.1	U
51-28-5	2,4-dinitrophenol	22.2	U
132-64-9	dibenzofuran	11.1	U
100-02-7	4-nitrophenol	11.1	U
84-66-2	diethylphthalate	11.1	U
7005-72-3	4-chlorophenylphenylether	11.1	U
86-73-7	fluorene	11.1	U
100-01-6	4-nitroaniline	11.1	U
534-52-1	4,6-dinitro-2-methylphenol	11.1	U
86-30-6	N-nitroso-diphenylamine	11.1	U
101-55-3	4-bromophenylphenylether	11.1	U
85-01-8	phenanthrene	11.1	U
120-12-7	anthracene	11.1	U
84-74-2	di-n-butylphthalate	35.0	
206-44-0	fluoranthene	11.1	U
129-00-0	pyrene	11.1	U
85-68-7	butylbenzylphthalate	11.1	U
91-94-1	3,3'-dichlorobenzidine	55.6	U
56-55-3	benzo(a)anthracene	11.1	U
218-01-9	chrysene	11.1	U
117-81-7	bis(2-ethylhexyl)phthalate	11.1	U
117-84-0	di-n-octylphthalate	11.1	U
205-99-2	benzo(b)fluoranthene	11.1	U
207-08-9	benzo(k)fluoranthene	11.1	U
50-32-8	benzo(a)pyrene	11.1	U
193-39-5	indeno(1,2,3-cd)pyrene	11.1	U
53-70-3	dibenz(a,h)anthracene	11.1	U
191-24-2	benzo(g,h,i)perylene	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1F520

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	11.1	U
123-91-1	1,4-dioxane	11.1	U
80-62-6	methyl methacrylate	11.1	U
97-63-2	ethyl methacrylate	11.1	U
109-06-8	2-picoline	11.1	U
10595-95-6	n-nitrosomethylethylamine	11.1	U
66-27-3	methyl methanesulfonate	11.1	U
55-18-5	n-nitrosodiethylamine	11.1	U
62-50-0	ethyl methanesulfonate	11.1	U
76-01-7	pentachloroethane	11.1	U
930-55-2	n-nitrosopyrrolidine	11.1	U
59-89-2	n-nitrosomorpholine	11.1	U
95-53-4	o-toluidine	11.1	U
100-75-4	n-nitrosopiperdine	11.1	U
122-09-8	a,a-dimethylphenethylamine	11.1	U
126-68-1	triethylphosphorothioate	11.1	U
87-65-0	2,6-dichlorophenol	11.1	U
1888-71-7	hexachloropropene	11.1	U
106-50-3	p-phenylenediamine	22.2	U
924-16-3	n-nitroso-di-n-butylamine	11.1	U
94-59-7	safrole	11.1	U
634-90-2	1,2,4,5-tetrachlorobenzene	11.1	U
120-58-1	isosafrole	11.1	U
130-15-4	1,4-naphthoquinone	11.1	U
99-65-0	m-dinitrobenzene	11.1	U
608-93-5	pentachlorobenzene	11.1	U
134-32-7	1-naphthylamine	11.1	U
91-59-8	2-naphthylamine	11.1	U
58-90-2	2,3,4,6-tetrachlorophenol	11.1	U
99-55-8	5-nitro-o-toluidine	11.1	U
297-97-2	thionazine	11.1	U
122-39-4	diphenylamine	11.1	U
3689-24-5	sulfotepp	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1F520

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	55.6	U
62-44-2	phenacetin	11.1	U
2303-16-4	diallate	11.1	U
60-51-5	dimethoate	55.6	U
92-67-1	4-aminobiphenyl	11.1	U
82-68-8	pentachloronitrobenzene	11.1	U
23950-58-5	pronamide	11.1	U
88-85-7	dinoseb	11.1	U
298-04-4	disulfoton	11.1	U
56-57-5	4-nitroquinoline-1-oxide	11.1	U
135-23-9	methapyrilene	55.6	U
465-73-6	isodrin	11.1	U
140-57-8	aramite	11.1	U
143-50-0	kepone	11.1	U
60-11-7	p-(dimethylamino)azobenzene	11.1	U
510-15-6	chlorobenzilate	55.6	U
119-93-7	3,3'-dimethylbenzidine	55.6	U
52-85-7	famphur	11.1	U
53-96-3	2-acetylaminofluorene	11.1	U
57-97-6	7,12-dimethylbenz(a)anthracene	11.1	U
59-49-5	3-methylcholanthrene	11.1	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F519

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F519

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F519

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F519

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F514

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

S9SW-01

'b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F514

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

S9SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F514

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

S9SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F514

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F515

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F515

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F515

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F515

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F516

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F516

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F516

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 1F516

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1G413

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	11.1	U
95-48-7	2-methylphenol	11.1	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	11.1	U
67-72-1	hexachloroethane	11.1	U
98-95-3	nitrobenzene	11.1	U
87-68-3	hexachlorobutadiene	11.1	U
88-06-2	2,4,6-trichlorophenol	11.1	U
95-95-4	2,4,5-trichlorophenol	11.1	U
121-14-2	2,4-dinitrotoluene	11.1	U
118-74-1	hexachlorobenzene	11.1	U
87-86-5	pentachlorophenol	11.1	U
62-53-3	aniline	11.1	U
108-95-2	phenol	11.1	U
111-44-4	bis(2-chloroethyl)ether	11.1	U
95-57-8	2-chlorophenol	11.1	U
541-73-1	1,3-dichlorobenzene	11.1	U
106-46-7	1,4-dichlorobenzene	11.1	U
100-51-6	benzyl alcohol	11.1	U
95-50-1	1,2-dichlorobenzene	11.1	U
98-86-2	acetophenone	11.1	U
621-64-7	N-nitroso-di-n-propylamine	11.1	U
78-59-1	isophorone	11.1	U
88-75-5	2-nitrophenol	11.1	U
105-67-9	2,4-dimethylphenol	11.1	U
111-91-1	bis(2-chloroethoxy)methane	11.1	U
120-83-2	2,4-dichlorophenol	11.1	U
120-82-1	1,2,4-trichlorobenzene	11.1	U
91-20-3	naphthalene	11.1	U
106-47-8	4-chloroaniline	11.1	U
59-50-7	4-chloro-3-methylphenol	11.1	U
91-57-6	2-methylnaphthalene	11.1	U
77-47-4	hexachlorocyclopentadiene	11.1	U
91-58-7	2-chloronaphthalene	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1G413

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	11.1	U
131-11-3	dimethylphthalate	11.1	U
209-96-8	acenaphthylene	11.1	U
606-20-2	2,6-dinitrotoluene	11.1	U
99-09-2	3-nitroaniline	11.1	U
83-32-9	acenaphthene	11.1	U
51-28-5	2,4-dinitrophenol	22.2	U
132-64-9	dibenzofuran	11.1	U
100-02-7	4-nitrophenol	11.1	U
84-66-2	diethylphthalate	11.1	U
7005-72-3	4-chlorophenylphenylether	11.1	U
86-73-7	fluorene	11.1	U
100-01-6	4-nitroaniline	11.1	U
534-52-1	4,6-dinitro-2-methylphenol	11.1	U
86-30-6	N-nitroso-diphenylamine	11.1	U
101-55-3	4-bromophenylphenylether	11.1	U
85-01-8	phenanthrene	11.1	U
120-12-7	anthracene	11.1	U
84-74-2	di-n-butylphthalate	11.1	U
206-44-0	fluoranthene	11.1	U
129-00-0	pyrene	11.1	U
85-68-7	butylbenzylphthalate	11.1	U
91-94-1	3,3'-dichlorobenzidine	55.6	U
56-55-3	benzo(a)anthracene	11.1	U
218-01-9	chrysene	11.1	U
117-81-7	bis(2-ethylhexyl)phthalate	11.1	U
117-84-0	di-n-octylphthalate	11.1	U
205-99-2	benzo(b)fluoranthene	11.1	U
207-08-9	benzo(k)fluoranthene	11.1	U
50-32-8	benzo(a)pyrene	11.1	U
193-39-5	indeno(1,2,3-cd)pyrene	11.1	U
53-70-3	dibenz(a,h)anthracene	11.1	U
191-24-2	benzo(g,h,i)perylene	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1G413

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	11.1	U
123-91-1	1,4-dioxane	11.1	U
80-62-6	methyl methacrylate	11.1	U
97-63-2	ethyl methacrylate	11.1	U
109-06-8	2-picoline	11.1	U
10595-95-6	n-nitrosomethylethylamine	11.1	U
66-27-3	methyl methanesulfonate	11.1	U
55-18-5	n-nitrosodiethylamine	11.1	U
62-50-0	ethyl methanesulfonate	11.1	U
76-01-7	pentachloroethane	11.1	U
930-55-2	n-nitrosopyrrolidine	11.1	U
59-89-2	n-nitrosomorpholine	11.1	U
95-53-4	o-toluidine	11.1	U
100-75-4	n-nitrosopiperdine	11.1	U
122-09-8	a,a-dimethylphenethylamine	11.1	U
126-68-1	triethylphosphorothioate	11.1	U
87-65-0	2,6-dichlorophenol	11.1	U
1888-71-7	hexachloropropene	11.1	U
106-50-3	p-phenylenediamine	22.2	U
924-16-3	n-nitroso-di-n-butylamine	11.1	U
94-59-7	safrole	11.1	U
634-90-2	1,2,4,5-tetrachlorobenzene	11.1	U
120-58-1	isosafrole	11.1	U
130-15-4	1,4-naphthoquinone	11.1	U
99-65-0	m-dinitrobenzene	11.1	U
608-93-5	pentachlorobenzene	11.1	U
134-32-7	1-naphthylamine	11.1	U
91-59-8	2-naphthylamine	11.1	U
58-90-2	2,3,4,6-tetrachlorophenol	11.1	U
99-55-8	5-nitro-o-toluidine	11.1	U
297-97-2	thionazine	11.1	U
122-39-4	diphenylamine	11.1	U
3689-24-5	sulfotepp	11.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 900 (g/mL) mL Lab File ID: 1G413

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	55.6	U
62-44-2	phenacetin	11.1	U
2303-16-4	diallate	11.1	U
60-51-5	dimethoate	55.6	U
92-67-1	4-aminobiphenyl	11.1	U
82-68-8	pentachloronitrobenzene	11.1	U
23950-58-5	pronamide	11.1	U
88-85-7	dinoseb	11.1	U
298-04-4	disulfoton	11.1	U
56-57-5	4-nitroquinoline-1-oxide	11.1	U
135-23-9	methapyrilene	55.6	U
465-73-6	isodrin	11.1	U
140-57-8	aramite	11.1	U
143-50-0	kepone	11.1	U
60-11-7	p-(dimethylamino)azobenzene	11.1	U
510-15-6	chlorobenzilate	55.6	U
119-93-7	3,3'-dimethylbenzidine	55.6	U
52-85-7	famphur	11.1	U
53-96-3	2-acetylaminofluorene	11.1	U
57-97-6	7,12-dimethylbenz(a)anthracene	11.1	U
59-49-5	3-methylcholanthrene	11.1	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F517

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
95-48-7	2-methylphenol	10.5	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.5	U
67-72-1	hexachloroethane	10.5	U
98-95-3	nitrobenzene	10.5	U
87-68-3	hexachlorobutadiene	10.5	U
88-06-2	2,4,6-trichlorophenol	10.5	U
95-95-4	2,4,5-trichlorophenol	10.5	U
121-14-2	2,4-dinitrotoluene	10.5	U
118-74-1	hexachlorobenzene	10.5	U
87-86-5	pentachlorophenol	10.5	U
62-53-3	aniline	10.5	U
108-95-2	phenol	10.5	U
111-44-4	bis(2-chloroethyl)ether	10.5	U
95-57-8	2-chlorophenol	10.5	U
541-73-1	1,3-dichlorobenzene	10.5	U
106-46-7	1,4-dichlorobenzene	10.5	U
100-51-6	benzyl alcohol	10.5	U
95-50-1	1,2-dichlorobenzene	10.5	U
98-86-2	acetophenone	10.5	U
621-64-7	N-nitroso-di-n-propylamine	10.5	U
78-59-1	isophorone	10.5	U
88-75-5	2-nitrophenol	10.5	U
105-67-9	2,4-dimethylphenol	10.5	U
111-91-1	bis(2-chloroethoxy)methane	10.5	U
120-83-2	2,4-dichlorophenol	10.5	U
120-82-1	1,2,4-trichlorobenzene	10.5	U
91-20-3	naphthalene	10.5	U
106-47-8	4-chloroaniline	10.5	U
59-50-7	4-chloro-3-methylphenol	10.5	U
91-57-6	2-methylnaphthalene	10.5	U
77-47-4	hexachlorocyclopentadiene	10.5	U
91-58-7	2-chloronaphthalene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F517

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
131-11-3	dimethylphthalate	10.5	U
209-96-8	acenaphthylene	10.5	U
606-20-2	2,6-dinitrotoluene	10.5	U
99-09-2	3-nitroaniline	10.5	U
83-32-9	acenaphthene	10.5	U
51-28-5	2,4-dinitrophenol	21.0	U
132-64-9	dibenzofuran	10.5	U
100-02-7	4-nitrophenol	10.5	U
84-66-2	diethylphthalate	10.5	U
7005-72-3	4-chlorophenylphenylether	10.5	U
86-73-7	fluorene	10.5	U
100-01-6	4-nitroaniline	10.5	U
534-52-1	4,6-dinitro-2-methylphenol	10.5	U
86-30-6	N-nitroso-diphenylamine	10.5	U
101-55-3	4-bromophenylphenylether	10.5	U
85-01-8	phenanthrene	10.5	U
120-12-7	anthracene	10.5	U
84-74-2	di-n-butylphthalate	10.5	U
206-44-0	fluoranthene	10.5	U
129-00-0	pyrene	10.5	U
85-68-7	butylbenzylphthalate	10.5	U
91-94-1	3,3'-dichlorobenzidine	52.6	U
56-55-3	benzo(a)anthracene	10.5	U
218-01-9	chrysene	10.5	U
117-81-7	bis(2-ethylhexyl)phthalate	10.5	U
117-84-0	di-n-octylphthalate	10.5	U
205-99-2	benzo(b)fluoranthene	10.5	U
207-08-9	benzo(k)fluoranthene	10.5	U
50-32-8	benzo(a)pyrene	10.5	U
193-39-5	indeno(1,2,3-cd)pyrene	10.5	U
53-70-3	dibenz(a,h)anthracene	10.5	U
191-24-2	benzo(g,h,i)perylene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F517

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	10.5	U
123-91-1	1,4-dioxane	10.5	U
80-62-6	methyl methacrylate	10.5	U
97-63-2	ethyl methacrylate	10.5	U
109-06-8	2-picoline	10.5	U
10595-95-6	n-nitrosomethylethylamine	10.5	U
66-27-3	methyl methanesulfonate	10.5	U
55-18-5	n-nitrosodiethylamine	10.5	U
62-50-0	ethyl methanesulfonate	10.5	U
76-01-7	pentachloroethane	10.5	U
930-55-2	n-nitrosopyrrolidine	10.5	U
59-89-2	n-nitrosomorpholine	10.5	U
95-53-4	o-toluidine	10.5	U
100-75-4	n-nitrosopiperdine	10.5	U
122-09-8	a,a-dimethylphenethylamine	10.5	U
126-68-1	triethylphosphorothioate	10.5	U
87-65-0	2,6-dichlorophenol	10.5	U
1888-71-7	hexachloropropene	10.5	U
106-50-3	p-phenylenediamine	21.0	U
924-16-3	n-nitroso-di-n-butylamine	10.5	U
94-59-7	safrole	10.5	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.5	U
120-58-1	isosafrole	10.5	U
130-15-4	1,4-naphthoquinone	10.5	U
99-65-0	m-dinitrobenzene	10.5	U
608-93-5	pentachlorobenzene	10.5	U
134-32-7	1-naphthylamine	10.5	U
91-59-8	2-naphthylamine	10.5	U
58-90-2	2,3,4,6-tetrachlorophenol	10.5	U
99-55-8	5-nitro-o-toluidine	10.5	U
297-97-2	thionazine	10.5	U
122-39-4	diphenylamine	10.5	U
3689-24-5	sulfotepp	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F517

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	52.6	U
62-44-2	phenacetin	10.5	U
2303-16-4	diallate	10.5	U
60-51-5	dimethoate	52.6	U
92-67-1	4-aminobiphenyl	10.5	U
82-68-8	pentachloronitrobenzene	10.5	U
23950-58-5	pronamide	10.5	U
88-85-7	dinoseb	10.5	U
298-04-4	disulfoton	10.5	U
56-57-5	4-nitroquinoline-1-oxide	10.5	U
135-23-9	methapyrilene	52.6	U
465-73-6	isodrin	10.5	U
140-57-8	aramite	10.5	U
143-50-0	kepone	10.5	U
60-11-7	p-(dimethylamino)azobenzene	10.5	U
510-15-6	chlorobenzilate	52.6	U
119-93-7	3,3'-dimethylbenzidine	52.6	U
52-85-7	famphur	10.5	U
53-96-3	2-acetylaminofluorene	10.5	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.5	U
59-49-5	3-methylcholanthrene	10.5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1G412

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S9SW-04RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1G412

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	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.

S9SW-04RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1G412

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S9SW-04RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1G412

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F518

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
95-48-7	2-methylphenol	10.5	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.5	U
67-72-1	hexachloroethane	10.5	U
98-95-3	nitrobenzene	10.5	U
87-68-3	hexachlorobutadiene	10.5	U
88-06-2	2,4,6-trichlorophenol	10.5	U
95-95-4	2,4,5-trichlorophenol	10.5	U
121-14-2	2,4-dinitrotoluene	10.5	U
118-74-1	hexachlorobenzene	10.5	U
87-86-5	pentachlorophenol	10.5	U
62-53-3	aniline	10.5	U
108-95-2	phenol	10.5	U
111-44-4	bis(2-chloroethyl)ether	10.5	U
95-57-8	2-chlorophenol	10.5	U
541-73-1	1,3-dichlorobenzene	10.5	U
106-46-7	1,4-dichlorobenzene	10.5	U
100-51-6	benzyl alcohol	10.5	U
95-50-1	1,2-dichlorobenzene	10.5	U
98-86-2	acetophenone	10.5	U
621-64-7	N-nitroso-di-n-propylamine	10.5	U
78-59-1	isophorone	10.5	U
88-75-5	2-nitrophenol	10.5	U
105-67-9	2,4-dimethylphenol	10.5	U
111-91-1	bis(2-chloroethoxy)methane	10.5	U
120-83-2	2,4-dichlorophenol	10.5	U
120-82-1	1,2,4-trichlorobenzene	10.5	U
91-20-3	naphthalene	10.5	U
106-47-8	4-chloroaniline	10.5	U
59-50-7	4-chloro-3-methylphenol	10.5	U
91-57-6	2-methylnaphthalene	10.5	U
77-47-4	hexachlorocyclopentadiene	10.5	U
91-58-7	2-chloronaphthalene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F518

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	10.5	U
131-11-3	dimethylphthalate	10.5	U
209-96-8	acenaphthylene	10.5	U
606-20-2	2,6-dinitrotoluene	10.5	U
99-09-2	3-nitroaniline	10.5	U
83-32-9	acenaphthene	10.5	U
51-28-5	2,4-dinitrophenol	21.0	U
132-64-9	dibenzofuran	10.5	U
100-02-7	4-nitrophenol	10.5	U
84-66-2	diethylphthalate	10.5	U
7005-72-3	4-chlorophenylphenylether	10.5	U
86-73-7	fluorene	10.5	U
100-01-6	4-nitroaniline	10.5	U
534-52-1	4,6-dinitro-2-methylphenol	10.5	U
86-30-6	N-nitroso-diphenylamine	10.5	U
101-55-3	4-bromophenylphenylether	10.5	U
85-01-8	phenanthrene	10.5	U
120-12-7	anthracene	10.5	U
84-74-2	di-n-butylphthalate	10.5	U
206-44-0	fluoranthene	10.5	U
129-00-0	pyrene	10.5	U
85-68-7	butylbenzylphthalate	10.5	U
91-94-1	3,3'-dichlorobenzidine	52.6	U
56-55-3	benzo(a)anthracene	10.5	U
218-01-9	chrysene	10.5	U
117-81-7	bis(2-ethylhexyl)phthalate	10.5	U
117-84-0	di-n-octylphthalate	10.5	U
205-99-2	benzo(b)fluoranthene	10.5	U
207-08-9	benzo(k)fluoranthene	10.5	U
50-32-8	benzo(a)pyrene	10.5	U
193-39-5	indeno(1,2,3-cd)pyrene	10.5	U
53-70-3	dibenz(a,h)anthracene	10.5	U
191-24-2	benzo(g,h,i)perylene	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F518

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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-nitrosomethylamine	10.5	U
123-91-1	1,4-dioxane	10.5	U
80-62-6	methyl methacrylate	10.5	U
97-63-2	ethyl methacrylate	10.5	U
109-06-8	2-picoline	10.5	U
10595-95-6	n-nitrosomethylethylamine	10.5	U
66-27-3	methyl methanesulfonate	10.5	U
55-18-5	n-nitrosodiethylamine	10.5	U
62-50-0	ethyl methanesulfonate	10.5	U
76-01-7	pentachloroethane	10.5	U
930-55-2	n-nitrosopyrrolidine	10.5	U
59-89-2	n-nitrosomorpholine	10.5	U
95-53-4	o-toluidine	10.5	U
100-75-4	n-nitrosopiperdine	10.5	U
122-09-8	a,a-dimethylphenethylamine	10.5	U
126-68-1	triethylphosphorothioate	10.5	U
87-65-0	2,6-dichlorophenol	10.5	U
1888-71-7	hexachloropropene	10.5	U
106-50-3	p-phenylenediamine	21.0	U
924-16-3	n-nitroso-di-n-butylamine	10.5	U
94-59-7	safrole	10.5	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.5	U
120-58-1	isosafrole	10.5	U
130-15-4	1,4-naphthoquinone	10.5	U
99-65-0	m-dinitrobenzene	10.5	U
608-93-5	pentachlorobenzene	10.5	U
134-32-7	1-naphthylamine	10.5	U
91-59-8	2-naphthylamine	10.5	U
58-90-2	2,3,4,6-tetrachlorophenol	10.5	U
99-55-8	5-nitro-o-toluidine	10.5	U
297-97-2	thionazine	10.5	U
122-39-4	diphenylamine	10.5	U
3689-24-5	sulfotepp	10.5	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 950 (g/mL) mL Lab File ID: 1F518

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/09/96

Injection Volume: 1.0(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	52.6	U
62-44-2	phenacetin	10.5	U
2303-16-4	diallate	10.5	U
60-51-5	dimethoate	52.6	U
92-67-1	4-aminobiphenyl	10.5	U
82-68-8	pentachloronitrobenzene	10.5	U
23950-58-5	pronamide	10.5	U
88-85-7	dinoseb	10.5	U
298-04-4	disulfoton	10.5	U
56-57-5	4-nitroquinoline-1-oxide	10.5	U
135-23-9	methapyrilene	52.6	U
465-73-6	isodrin	10.5	U
140-57-8	aramite	10.5	U
143-50-0	kepone	10.5	U
60-11-7	p-(dimethylamino)azobenzene	10.5	U
510-15-6	chlorobenzilate	52.6	U
119-93-7	3,3'-dimethylbenzidine	52.6	U
52-85-7	famphur	10.5	U
53-96-3	2-acetylaminofluorene	10.5	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.5	U
59-49-5	3-methylcholanthrene	10.5	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G414

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.1	U
95-48-7	2-methylphenol	10.1	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.1	U
67-72-1	hexachloroethane	10.1	U
98-95-3	nitrobenzene	10.1	U
87-68-3	hexachlorobutadiene	10.1	U
88-06-2	2,4,6-trichlorophenol	10.1	U
95-95-4	2,4,5-trichlorophenol	10.1	U
121-14-2	2,4-dinitrotoluene	10.1	U
118-74-1	hexachlorobenzene	10.1	U
87-86-5	pentachlorophenol	10.1	U
62-53-3	aniline	10.1	U
108-95-2	phenol	10.1	U
111-44-4	bis(2-chloroethyl)ether	10.1	U
95-57-8	2-chlorophenol	10.1	U
541-73-1	1,3-dichlorobenzene	10.1	U
106-46-7	1,4-dichlorobenzene	10.1	U
100-51-6	benzyl alcohol	10.1	U
95-50-1	1,2-dichlorobenzene	10.1	U
98-86-2	acetophenone	10.1	U
621-64-7	N-nitroso-di-n-propylamine	10.1	U
78-59-1	isophorone	10.1	U
88-75-5	2-nitrophenol	10.1	U
105-67-9	2,4-dimethylphenol	10.1	U
111-91-1	bis(2-chloroethoxy)methane	10.1	U
120-83-2	2,4-dichlorophenol	10.1	U
120-82-1	1,2,4-trichlorobenzene	10.1	U
91-20-3	naphthalene	10.1	U
106-47-8	4-chloroaniline	10.1	U
59-50-7	4-chloro-3-methylphenol	10.1	U
91-57-6	2-methylnaphthalene	10.1	U
77-47-4	hexachlorocyclopentadiene	10.1	U
91-58-7	2-chloronaphthalene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G414

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.1	U
131-11-3	dimethylphthalate	10.1	U
209-96-8	acenaphthylene	10.1	U
606-20-2	2,6-dinitrotoluene	10.1	U
99-09-2	3-nitroaniline	10.1	U
83-32-9	acenaphthene	10.1	U
51-28-5	2,4-dinitrophenol	20.2	U
132-64-9	dibenzofuran	10.1	U
100-02-7	4-nitrophenol	10.1	U
84-66-2	diethylphthalate	10.1	U
7005-72-3	4-chlorophenylphenylether	10.1	U
86-73-7	fluorene	10.1	U
100-01-6	4-nitroaniline	10.1	U
534-52-1	4,6-dinitro-2-methylphenol	10.1	U
86-30-6	N-nitroso-diphenylamine	10.1	U
101-55-3	4-bromophenylphenylether	10.1	U
85-01-8	phenanthrene	10.1	U
120-12-7	anthracene	10.1	U
84-74-2	di-n-butylphthalate	10.1	U
206-44-0	fluoranthene	10.1	U
129-00-0	pyrene	10.1	U
85-68-7	butylbenzylphthalate	10.1	U
91-94-1	3,3'-dichlorobenzidine	50.5	U
56-55-3	benzo(a)anthracene	10.1	U
218-01-9	chrysene	10.1	U
117-81-7	bis(2-ethylhexyl)phthalate	10.1	U
117-84-0	di-n-octylphthalate	10.1	U
205-99-2	benzo(b)fluoranthene	10.1	U
207-08-9	benzo(k)fluoranthene	10.1	U
50-32-8	benzo(a)pyrene	10.1	U
193-39-5	indeno(1,2,3-cd)pyrene	10.1	U
53-70-3	dibenz(a,h)anthracene	10.1	U
191-24-2	benzo(g,h,i)perylene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G414

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	10.1	U
123-91-1	1,4-dioxane	10.1	U
80-62-6	methyl methacrylate	10.1	U
97-63-2	ethyl methacrylate	10.1	U
109-06-8	2-picoline	10.1	U
10595-95-6	n-nitrosomethylethylamine	10.1	U
66-27-3	methyl methanesulfonate	10.1	U
55-18-5	n-nitrosodiethylamine	10.1	U
62-50-0	ethyl methanesulfonate	10.1	U
76-01-7	pentachloroethane	10.1	U
930-55-2	n-nitrosopyrrolidine	10.1	U
59-89-2	n-nitrosomorpholine	10.1	U
95-53-4	o-toluidine	10.1	U
100-75-4	n-nitrosopiperdine	10.1	U
122-09-8	a,a-dimethylphenethylamine	10.1	U
126-68-1	triethylphosphorothioate	10.1	U
87-65-0	2,6-dichlorophenol	10.1	U
1888-71-7	hexachloropropene	10.1	U
106-50-3	p-phenylenediamine	20.2	U
924-16-3	n-nitroso-di-n-butylamine	10.1	U
94-59-7	safrole	10.1	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.1	U
120-58-1	isosafrole	10.1	U
130-15-4	1,4-naphthoquinone	10.1	U
99-65-0	m-dinitrobenzene	10.1	U
608-93-5	pentachlorobenzene	10.1	U
134-32-7	1-naphthylamine	10.1	U
91-59-8	2-naphthylamine	10.1	U
58-90-2	2,3,4,6-tetrachlorophenol	10.1	U
99-55-8	5-nitro-o-toluidine	10.1	U
297-97-2	thionazine	10.1	U
122-39-4	diphenylamine	10.1	U
3689-24-5	sulfotepp	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05RR0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 990 (g/mL) mL Lab File ID: 1G414

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.5	U
62-44-2	phenacetin	10.1	U
2303-16-4	diallate	10.1	U
60-51-5	dimethoate	50.5	U
92-67-1	4-aminobiphenyl	10.1	U
82-68-8	pentachloronitrobenzene	10.1	U
23950-58-5	pronamide	10.1	U
88-85-7	dinoseb	10.1	U
298-04-4	disulfoton	10.1	U
56-57-5	4-nitroquinoline-1-oxide	10.1	U
135-23-9	methapyrilene	50.5	U
465-73-6	isodrin	10.1	U
140-57-8	aramite	10.1	U
143-50-0	kepone	10.1	U
60-11-7	p-(dimethylamino)azobenzene	10.1	U
510-15-6	chlorobenzilate	50.5	U
119-93-7	3,3'-dimethylbenzidine	50.5	U
52-85-7	famphur	10.1	U
53-96-3	2-acetylaminofluorene	10.1	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.1	U
59-49-5	3-methylcholanthrene	10.1	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61417W
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
TB01-012296	9601417-01
RB01-012296	9601417-02
TB01-012396	9601417-03
S9SW-01	9601417-04
S9SW-02	9601417-05
S9SW-03	9601417-06
S9SW-04	9601417-07
S9SW-05	9601417-08
S9DPSW-01	9601417-09
TB01-012496	9601417-10
TB02-012496	9601417-11
RB01-012496	9601417-12
BG1SW-01	9601417-18
BG2SW-01	9601417-19
BG3SW-01	9601417-20
Blank	QC338186
Laboratory Control Sample (LCS)	QC338189
BG2SW-01 Post Spike (PS)	QC338187
BG2SW-01 Post Spike Duplicate (PSD)	QC338188
Blank	QC343712
LCS	QC343713

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

All samples met surrogate recovery criteria.

Internal Standards

Samples BG1SW-01 and BG3SW-01 initially failed internal standard criteria. The samples were re-analyzed and the internal standard recovery criteria was met.

Blank Analysis

Methylene Chloride was detected in the method blank (QC338186) at a level less than the PQL.

Spike Analysis

The PS and PSD met quality control criteria for recovery and relative percent difference (RPD). The PS limits are generated by Statistical Process 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.

LCS (QC343713) is not plotted on the LCS control charts because it was not a logged QC sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T222

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T222

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RA0

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T305

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SW-01RA0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T305

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T205

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.39	
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T205

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SW-01

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T223

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T223

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SW-01RA0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T306

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SW-01RA0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T306

Level: (low/med) LOW Date Received: 01/27/96

% Moisture: not dec. _____ Date Analyzed: 01/31/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T211

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	0.67	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.37	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T211

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T221

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.46	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T221

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T218

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.13	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9DPSW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T218

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T213

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.14	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T213

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T214

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T214

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T215

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.14	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T215

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T216

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.15	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T216

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T217

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.14	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T217

Level: (low/med) LOW Date Received: 01/24/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T210

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	2.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012296

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T210

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012396

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T212

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012396

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T212

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T219

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T219

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T220

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-012496

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61417W

Matrix: (soil/water) WATER Lab Sample ID: 9601417-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1T220

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. _____ Date Analyzed: 01/30/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes(total)	6.00	U

CASE NARRATIVE
SDG 61418S

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

February 21, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The soil samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between January 23, 1996, and January 27, 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. Sample containers BG1SS-01, BG1SD-01, BG2SD-01, BG2SS-01, BG3SD-01, and BG3SS-01 were not custody sealed upon receipt. There were several time discrepancies between the chain of custody and the bottles. Per Brown & Root, the collection times on the chain of custody were correct. Two of the soil containers for BG1SD-01, labeled BG1SW-01, were corrected by GEL personnel.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
S1SD-01	9601418-01
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
S3SD-01	9601418-09

S3SD-02	9601418-10
S3SD-03	9601418-11
S3SD-04	9601418-12
S3SD-05	9601418-13
S3DPSD-01	9601418-14
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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

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:hali00196.022196

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

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METALS DATA

SDG 61418S
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

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

Sample Description	Laboratory Identification
S1SD-01	9601418-01
S1SD-01 Matrix Spike (MS)	QC337114 - ICP/QC337200 - Hg QC337109 - Cn
S1SD-01 Duplicate (Dup)	QC337115 - ICP/QC337199 - Hg QC337108 - Cn
S1SD-01 Post Spike (PS)	QC342270 - ICP
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
S3SD-01	9601418-09
S3SD-02	9601418-10
S3SD-03	9601418-11
S3SD-04	9601418-12
S3SD-05	9601418-13
S3DPSD-01	9601418-14
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20
BG3SS-01 (MS)	QC337860 - Cn
BG3SS-01 (Dup)	QC337859 - Cn
Blank	QC337113 - ICP/QC337201 - Hg QC337110 - Cn/QC337861 - Cn
Laboratory Control Sample (LCS)	QC337116 - ICP/QC337202 - Hg QC337111 - Cn/QC337862 - Cn
Laboratory Control Sample Duplicate (LCSD)	QC337117 - ICP QC337112- Cn/QC337863 - Cn

Instrument Calibration

All 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, Calcium and Sodium were detected in the ICP method blank at levels greater than the instrument detection limits (IDL), but below the reporting limit (RL). No target analytes were detected in the method blank for the Mercury or Cyanide analysis at levels greater than the IDL.

Spike and Duplication Analysis

The MS (QC337114) for the ICP analysis of Lead did not meet the quality control criteria, as indicated by the "N" flag. However, the PS (QC342270) for this sample met the criteria for recovery. The sample dup (QC337115) did not meet the recovery criteria for relative percent difference (RPD) for Aluminum, Calcium, or Sodium, as indicated by the "*" flag. Mercury and Cyanide met the quality control criteria for the MS andDup.

The Cyanide MS (QC337860) did not meet the quality control criteria, as indicated by the "N" flag.

Laboratory Control Sample Analysis

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

Dilutions

Calcium was over the instrument linear range and required 100x dilutions for samples S3SD-01, S3SD-03, S3SD-05, BG1SS-01, BG1SD-01, BG2SS-01, BG3SD-01 and BG3SS-01.

Additional Comments

ICP
An "E" flag from the Serial dilution analysis resulted for Aluminum, Copper, and Iron due to Calcium interference.

Two ICP analyses were required for SDG 61418S. The 02/19/96 analysis includes all undiluted samples and all batch QC. The 02/20/96 analysis includes all Calcium dilutions.

CN
There were eleven analyses between the third CCB and the fourth CCV.

The reported Arsenic results for samples S9SD-01, S9SD-05, S3SD-03, and BG2SS-01 are questionable due to the high relative standard deviation (RSD) of the replicate readings. The reported Selenium results for samples S9SD-03 and BG3SS-01 are questionable due to the high RSD of the replicate readings.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG1SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-16

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _30.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3350		E*	P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	4.3	B		P
7440-39-3	Barium	12.2	B		P
7440-41-7	Beryllium	0.14	U		P
7440-43-9	Cadmium	0.90	B		P
7440-70-2	Calcium	365000		*	P
7440-47-3	Chromium	11.7			P
7440-48-4	Cobalt	0.56	B		P
7440-50-8	Copper	34.6		E	P
7439-89-6	Iron	2600		E	P
7439-92-1	Lead	56.5		N	P
7439-95-4	Magnesium	4680			P
7439-96-5	Manganese	38.5			P
7439-97-6	Mercury	0.14	U		AV
7440-02-0	Nickel	5.5	B		P
7440-09-7	Potassium	661	B		P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.32	U		P
7440-23-5	Sodium	9650		*	P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	8.9	B		P
7440-66-6	Zinc	58.2			P
74-90-8	Cyanide	0.69	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-15

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3620		E*	P
7440-36-0	Antimony	0.58	U		P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	13.0	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.41	B		P
7440-70-2	Calcium	284000		*	P
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt	0.29	B		P
7440-50-8	Copper	5.1	B	E	P
7439-89-6	Iron	1710		E	P
7439-92-1	Lead	10.5		N	P
7439-95-4	Magnesium	7660			P
7439-96-5	Manganese	33.7			P
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	294	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.16	U		P
7440-23-5	Sodium	1620		*	P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	5.9			P
74-90-8	Cyanide	1.2		N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-17

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _13.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350		E*	P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	10.2	B		P
7440-39-3	Barium	15.2	B		P
7440-41-7	Beryllium	0.35	U		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	223000		*	P
7440-47-3	Chromium	5.8	B		P
7440-48-4	Cobalt	0.93	U		P
7440-50-8	Copper	1.6	B	E	P
7439-89-6	Iron	1360		E	P
7439-92-1	Lead	5.5	B	N	P
7439-95-4	Magnesium	20000			P
7439-96-5	Manganese	14.9	B		P
7439-97-6	Mercury	0.35	U		AV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	4180	B		P
7782-49-2	Selenium	5.6	U		P
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	86900		*	P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	19.9	B		P
74-90-8	Cyanide	1.5	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: YES____

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-18

Level (low/med): LOW__ Date Received: 01/23/96

% 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	993		E*	P
7440-36-0	Antimony	0.58	U		P
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	9.2	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	394000		*	P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	0.18	U		P
7440-50-8	Copper	1.7	B	E	P
7439-89-6	Iron	532		E	P
7439-92-1	Lead	0.40	U	N	P
7439-95-4	Magnesium	24600			P
7439-96-5	Manganese	15.0			P
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	0.63	B		P
7440-09-7	Potassium	210	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.16	U		P
7440-23-5	Sodium	3170		*	P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	0.63	B		P
74-90-8	Cyanide	0.65		N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG3SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-19

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _53.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	497		E*	P
7440-36-0	Antimony	0.79	U		P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	5.0	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.12	U		P
7440-70-2	Calcium	393000		*	P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	0.24	U		P
7440-50-8	Copper	3.2	B	E	P
7439-89-6	Iron	363		E	P
7439-92-1	Lead	32.6		N	P
7439-95-4	Magnesium	5820			P
7439-96-5	Manganese	17.3			P
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	0.70	B		P
7440-09-7	Potassium	517	B		P
7782-49-2	Selenium	1.5	U		P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	13100		*	P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	15.7			P
74-90-8	Cyanide	1.1		N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
SHELLS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG3SS-01

L. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-20

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _62.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1640		E*	P
7440-36-0	Antimony	0.67	U		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	11.2	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	265000		*	P
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt	0.33	B		P
7440-50-8	Copper	9.7		E	P
7439-89-6	Iron	2260		E	P
7439-92-1	Lead	48.3		N	P
7439-95-4	Magnesium	4110			P
7439-96-5	Manganese	25.9			P
7439-97-6	Mercury	0.08	B		AV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	497	B		P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	0.18	U		P
7440-23-5	Sodium	4580		*	P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	89.1			P
74-90-8	Cyanide	0.55	B	N	AS

Color Before: BLACK____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS_&_ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-01

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _38.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1040		E*	P
7440-36-0	Antimony	1.3	U		P
7440-38-2	Arsenic	3.1	B		P
7440-39-3	Barium	5.6	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	174000		*	P
7440-47-3	Chromium	4.2	B		P
7440-48-4	Cobalt	0.40	U		P
7440-50-8	Copper	39.5		E	P
7439-89-6	Iron	735		E	P
7439-92-1	Lead	15.0		N	P
7439-95-4	Magnesium	4820			P
7439-96-5	Manganese	6.2	B		P
7439-97-6	Mercury	0.11	U		AV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	1060	B		P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	16800		*	P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	39.9			P
74-90-8	Cyanide	0.11	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SD-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-02

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _25.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650		E*	P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	7.1	B		P
7440-39-3	Barium	8.4	B		P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	235000		*	P
7440-47-3	Chromium	6.1	B		P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	3.3	B	E	P
7439-89-6	Iron	608		E	P
7439-92-1	Lead	10.4		N	P
7439-95-4	Magnesium	8430			P
7439-96-5	Manganese	6.5	B		P
7439-97-6	Mercury	0.15	U		AV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	2200	B		P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	41200		*	P
7440-28-0	Thallium	3.3	U		P
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	25.1			P
74-90-8	Cyanide	0.53	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-08

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _10.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2060		E*	P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	17.1	B		P
7440-39-3	Barium	5.3	B		P
7440-41-7	Beryllium	0.58	U		P
7440-43-9	Cadmium	0.77	U		P
7440-70-2	Calcium	14500		*	P
7440-47-3	Chromium	11.5	B		P
7440-48-4	Cobalt	1.5	U		P
7440-50-8	Copper	42.1	B	E	P
7439-89-6	Iron	1160		E	P
7439-92-1	Lead	52.1		N	P
7439-95-4	Magnesium	18300			P
7439-96-5	Manganese	4.3	B		P
7439-97-6	Mercury	0.48	U		AV
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium	5150	B		P
7782-49-2	Selenium	9.2	U		P
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	108000		*	P
7440-28-0	Thallium	8.7	U		P
7440-62-2	Vanadium	31.0	B		P
7440-66-6	Zinc	51.8			P
74-90-8	Cyanide	3.8	B	N	AS

Color Before: BLACK____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3DPSD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-14

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _12.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1700		E*	P
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	9.8	B		P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.41	U		P
7440-43-9	Cadmium	0.83	B		P
7440-70-2	Calcium	236000		*	P
7440-47-3	Chromium	6.6	B		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	19.8	B	E	P
7439-89-6	Iron	958		E	P
7439-92-1	Lead	21.2		N	P
7439-95-4	Magnesium	7880			P
7439-96-5	Manganese	16.2	B		P
7439-97-6	Mercury	0.35	U		AV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	1360	B		P
7782-49-2	Selenium	6.6	U		P
7440-22-4	Silver	0.96	U		P
7440-23-5	Sodium	19600		*	P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	5.2	B		P
7440-66-6	Zinc	44.4			P
74-90-8	Cyanide	0.33	U	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-09

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _30.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1360		E*	P
7440-36-0	Antimony	1.3	U		P
7440-38-2	Arsenic	4.8	B		P
7440-39-3	Barium	7.9	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.62	B		P
7440-70-2	Calcium	394000		*	P
7440-47-3	Chromium	5.2			P
7440-48-4	Cobalt	0.41	U		P
7440-50-8	Copper	18.2		E	P
7439-89-6	Iron	684		E	P
7439-92-1	Lead	16.8		N	P
7439-95-4	Magnesium	4970			P
7439-96-5	Manganese	9.8			P
7439-97-6	Mercury	0.17	U		AV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	592	B		P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.36	U		P
7440-23-5	Sodium	11100		*	P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	37.1			P
74-90-8	Cyanide	0.15	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCK

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SD-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-10

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _12.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	1980		E*	P
7440-36-0	Antimony_	3.5	U		P
7440-38-2	Arsenic__	10.7	B		P
7440-39-3	Barium__	10.6	B		P
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium__	0.92	B		P
7440-70-2	Calcium__	261000		*	P
7440-47-3	Chromium_	8.5	B		P
7440-48-4	Cobalt___	1.1	U		P
7440-50-8	Copper___	25.0	B	E	P
7439-89-6	Iron____	1160		E	P
7439-92-1	Lead____	23.3		N	P
7439-95-4	Magnesium	9700			P
7439-96-5	Manganese	21.5			P
7439-97-6	Mercury__	0.31	U		AV
7440-02-0	Nickel___	2.9	B		P
7440-09-7	Potassium	1680	B		P
7782-49-2	Selenium_	6.5	U		P
7440-22-4	Silver___	0.94	U		P
7440-23-5	Sodium___	23800		*	P
7440-28-0	Thallium_	6.0	U		P
7440-62-2	Vanadium_	6.0	B		P
7440-66-6	Zinc____	51.9			P
74-90-8__	Cyanide__	0.61	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SD-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-11

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _61.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120		E*	P
7440-36-0	Antimony	0.67	U		P
7440-38-2	Arsenic	3.7			P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.65	B		P
7440-70-2	Calcium	332000		*	P
7440-47-3	Chromium	8.1			P
7440-48-4	Cobalt	0.58	B		P
7440-50-8	Copper	163		E	P
7439-89-6	Iron	3500		E	P
7439-92-1	Lead	57.0		N	P
7439-95-4	Magnesium	2600			P
7439-96-5	Manganese	22.3			P
7439-97-6	Mercury	0.07	U		AV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	126	B		P
7782-49-2	Selenium	1.2	U		P
7440-22-4	Silver	0.19	B		P
7440-23-5	Sodium	2620		*	P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	2.9	B		P
7440-66-6	Zinc	86.1			P
74-90-8	Cyanide	0.58	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SD-04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-12

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _18.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3060		E*	P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	4.2	U		P
7440-39-3	Barium	12.3	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	379000		*	P
7440-47-3	Chromium	13.7			P
7440-48-4	Cobalt	0.68	U		P
7440-50-8	Copper	46.6		E	P
7439-89-6	Iron	1340		E	P
7439-92-1	Lead	32.9		N	P
7439-95-4	Magnesium	10900			P
7439-96-5	Manganese	17.6			P
7439-97-6	Mercury	0.21	U		AV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	1700	B		P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	15900		*	P
7440-28-0	Thallium	3.8	U		P
7440-62-2	Vanadium	9.4	B		P
7440-66-6	Zinc	69.2			P
74-90-8	Cyanide	1.1	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SD-05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-13

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _46.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1850		E*	P
7440-36-0	Antimony	0.79	U		P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	8.9	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.41	B		P
7440-70-2	Calcium	319000		*	P
7440-47-3	Chromium	5.6			P
7440-48-4	Cobalt	0.24	U		P
7440-50-8	Copper	8.1		E	P
7439-89-6	Iron	882		E	P
7439-92-1	Lead	19.9		N	P
7439-95-4	Magnesium	6640			P
7439-96-5	Manganese	10.5			P
7439-97-6	Mercury	0.09	U		AV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	528	B		P
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	3980		*	P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	4.2	B		P
7440-66-6	Zinc	28.2			P
74-90-8	Cyanide	1.8		N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-03

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _32.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2120		E*	P
7440-36-0	Antimony	1.6	U		P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	8.5	B		P
7440-41-7	Beryllium	0.18	U		P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	209000		*	P
7440-47-3	Chromium	6.4			P
7440-48-4	Cobalt	0.49	U		P
7440-50-8	Copper	4.7	B	E	P
7439-89-6	Iron	1380		E	P
7439-92-1	Lead	9.5		N	P
7439-95-4	Magnesium	9230			P
7439-96-5	Manganese	11.8			P
7439-97-6	Mercury	1.1			AV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	1040	B		P
7782-49-2	Selenium	2.9	U		P
7440-22-4	Silver	0.42	U		P
7440-23-5	Sodium	20400		*	P
7440-28-0	Thallium	2.7	U		P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	12.5			P
74-90-8	Cyanide	0.91	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-04

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _33.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1630		E*	P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	5.3	B		P
7440-39-3	Barium	6.7	B		P
7440-41-7	Beryllium	0.18	U		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	165000		*	P
7440-47-3	Chromium	5.8	B		P
7440-48-4	Cobalt	0.48	U		P
7440-50-8	Copper	7.9	B	E	P
7439-89-6	Iron	1170		E	P
7439-92-1	Lead	10.4		N	P
7439-95-4	Magnesium	8970			P
7439-96-5	Manganese	9.5			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	1220	B		P
7782-49-2	Selenium	2.9	U		P
7440-22-4	Silver	0.42	U		P
7440-23-5	Sodium	26100		*	P
7440-28-0	Thallium	2.7	U		P
7440-62-2	Vanadium	6.4	B		P
7440-66-6	Zinc	14.0			P
74-90-8	Cyanide	0.61	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS

FORM I - IN ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-05

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _18.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3710		E*	P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	17.8			P
7440-39-3	Barium	19.8	B		P
7440-41-7	Beryllium	0.32	U		P
7440-43-9	Cadmium	0.52	B		P
7440-70-2	Calcium	183000		*	P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	0.85	U		P
7440-50-8	Copper	14.7	B	E	P
7439-89-6	Iron	2680		E	P
7439-92-1	Lead	23.1		N	P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	15.3	B		P
7439-97-6	Mercury	0.25	U		AV
7440-02-0	Nickel	5.0	B		P
7440-09-7	Potassium	2740	B		P
7782-49-2	Selenium	7.3			P
7440-22-4	Silver	0.74	U		P
7440-23-5	Sodium	52000		*	P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	12.8	B		P
7440-66-6	Zinc	38.3			P
74-90-8	Cyanide	0.90	B	N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-06

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _36.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	774		E*	P
7440-36-0	Antimony	1.4	U		P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	5.7	B		P
7440-41-7	Beryllium	0.16	U		P
7440-43-9	Cadmium	0.21	U		P
7440-70-2	Calcium	130000		*	P
7440-47-3	Chromium	3.3	B		P
7440-48-4	Cobalt	0.42	U		P
7440-50-8	Copper	14.3		E	P
7439-89-6	Iron	762		E	P
7439-92-1	Lead	6.4		N	P
7439-95-4	Magnesium	7600			P
7439-96-5	Manganese	6.2	B		P
7439-97-6	Mercury	0.13	U		AV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	1110	B		P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.37	U		P
7440-23-5	Sodium	24800		*	P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	4.7	B		P
7440-66-6	Zinc	16.5			P
74-90-8	Cyanide	0.77	B	N	AS

Color Before: WHITE_GRA Clarity Before: _____ Texture: COARSE

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S9SD-05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61418S

Matrix (soil/water): SOIL_ Lab Sample ID: 9601418-07

Level (low/med): LOW__ Date Received: 01/23/96

% Solids: _17.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3570		E*	P
7440-36-0	Antimony	2.9	U		P
7440-38-2	Arsenic	12.6			P
7440-39-3	Barium	10.5	B		P
7440-41-7	Beryllium	0.34	U		P
7440-43-9	Cadmium	0.62	B		P
7440-70-2	Calcium	176000		*	P
7440-47-3	Chromium	10.4	B		P
7440-48-4	Cobalt	0.90	U		P
7440-50-8	Copper	12.8	B	E	P
7439-89-6	Iron	2620		E	P
7439-92-1	Lead	21.1		N	P
7439-95-4	Magnesium	11500			P
7439-96-5	Manganese	17.1			P
7439-97-6	Mercury	0.28	U		AV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	2500	B		P
7782-49-2	Selenium	5.4	U		P
7440-22-4	Silver	0.79	U		P
7440-23-5	Sodium	52400		*	P
7440-28-0	Thallium	5.1	U		P
7440-62-2	Vanadium	13.2	B		P
7440-66-6	Zinc	35.0			P
74-90-8	Cyanide	12.1		N	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GRAY_____ Clarity After: _____ Artifacts: YES___

Comments:
TWIGS

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 61418S
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
S1SD-01	9601418-01
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20
Blank	QC338620
Laboratory Control Sample (LCS)	QC338621
Laboratory Control Sample Duplicate (LCSD)	QC338622
S1SD-01 Matrix Spike (MS)	QC338623
S1SD-01 Matrix Spike Duplicate (MSD)	QC338624

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 surrogate did not meet acceptance criteria on the confirmation column for the blank (QC338620). All other samples met surrogate recovery criteria.

Blank Analysis

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

Spike Analysis

The MS and MSD analyzed met quality control criteria for recoveries and relative percent difference (RPD). Silvex and 2,4-D were reported from the confirmation column due to

matrix interference on the reporting column. The MS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG1SD-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 025F0101

% Moisture: 70 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	133	U
95-76-5	2,4,5-T	133	U
93-72-1	SILVEX	66.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG1SS-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 024F0101

% Moisture: 27 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	54.8	U
95-76-5	2,4,5-T	54.8	U
93-72-1	SILVEX	27.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG2SD-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 026F0101

% Moisture: 87 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	308	U
95-76-5	2,4,5-T	308	U
93-72-1	SILVEX	154	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG2SS-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 027F0101

% Moisture: 22 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/19/96

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	51.3	U
95-76-5	2,4,5-T	51.3	U
93-72-1	SILVEX	25.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG3SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 028F0101

% Moisture: 47 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/19/96

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	75.5	U
95-76-5	2,4,5-T	75.5	U
93-72-1	SILVEX	37.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG3SS-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 029F0101

% Moisture: 38 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	64.5	U
95-76-5	2,4,5-T	64.5	U
93-72-1	SILVEX	32.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SD-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 015F0101

% Moisture: 62 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	105	U
95-76-5	2,4,5-T	105	U
93-72-1	SILVEX	52.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SD-02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 016F0101

% Moisture: 75 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	160	U
95-76-5	2,4,5-T	160	U
93-72-1	SILVEX	80.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1SD-03

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 023F0101

% Moisture: 90 decanted: (Y/N) N Date Received: 01/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	400	U
95-76-5	2,4,5-T	400	U
93-72-1	SILVEX	200	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SD-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 017F0101

% Moisture: 68 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/19/96

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	125	U
95-76-5	2,4,5-T	125	U
93-72-1	SILVEX	62.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 018F0101

% Moisture: 67 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	121	U
95-76-5	2,4,5-T	121	U
93-72-1	SILVEX	60.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SD-03

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 019F0101

% Moisture: 82 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	222	U
95-76-5	2,4,5-T	222	U
93-72-1	SILVEX	111	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SD-04

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 021F0101

% Moisture: 64 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/19/96

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	111	U
95-76-5	2,4,5-T	111	U
93-72-1	SILVEX	55.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S9SD-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 022F0101

% Moisture: 83 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/01/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/19/96

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	235	U
95-76-5	2,4,5-T	235	U
93-72-1	SILVEX	118	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 61418S
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
S1SD-01	9601418-01
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20
Blank	QC338939
Laboratory Control Sample (LCS)	QC338940
Laboratory Control Sample Duplicate (LCSD)	QC338941
S1SD-01 Matrix Spike (MS)	QC338942
S1SD-01 Matrix Spike Duplicate (MSD)	QC338943

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding time.

Surrogate Analysis

Surrogates were diluted out due to matrix interference for samples S1SD-01, QC338942, QC338943, S1SD-02, S9SD-01, S9SD-02, S9SD-03, S9SD-04, S1SD-03, BG1SS-01, BG2SD-01, BG2SS-01, BG3SD-01, and BG3SS-01.

Blank Analysis

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

Spike Analysis

The MS and MSD failed quality control criteria for recoveries and relative percent difference (RPD) beacause the samples were diluted due to matrix interference. The MS

limits are generated by Statistical Process Control (SPC). 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 RPD. The limits are generated by SPC.

Dilutions

The following samples were diluted due to matrix interference:

Sample ID	Dilution
S1SD-01	10x
QC338942	10x
QC338943	10x
S1SD-02	10x
S9SD-01	5x
S9SD-02	5x
S9SD-03	5x
S9SD-04	5x
S1SD-03	5x
BG1SS-01	20x
BG2SD-01	20x
BG2SS-01	5x
BG3SD-01	10x
BG3SS-01	10x

Samples S9SD-05 and BG1SD-01 were analyzed undiluted.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SD-01

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB28

% Moisture: 70 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.4	
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	28.8	
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	22.0	U
7421-93-4	Endrin aldehyde	4.4	U
8001-35-2	Toxaphene	110	U
12674-11-2	Aroclor-1016	13.8	U
11104-28-2	Aroclor-1221	13.8	U
1114-16-5	Aroclor-1232	13.8	U
53469-21-9	Aroclor-1242	13.8	U
12672-29-6	Aroclor-1248	13.8	U
11097-69-1	Aroclor-1254	13.8	U
11096-82-5	Aroclor-1260	40.8	P
57-74-9	Chlordane (tech.)	27.5	U
298-02-2	Phorate	5.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SD-01

b Name: GENERAL ENGINEERING LABOR Contract:

.b Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB28

% Moisture: 70 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	5.5	U
56-38-2	Parathion	5.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-01DL1

'b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB27

% Moisture: 27 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	18.1	U
319-85-7	beta-BHC	18.1	U
319-86-8	delta-BHC	18.1	U
58-89-9	gamma-BHC (Lindane)	18.1	U
76-44-8	Heptachlor	18.1	U
309-00-2	Aldrin	18.1	U
1024-57-3	Heptachlor epoxide	18.1	U
959-98-8	Endosulfan I	18.1	U
60-57-1	Dieldrin	36.2	U
72-55-9	4,4'-DDE	25.1	JP
72-20-8	Endrin	36.2	U
33213-65-9	Endosulfan II	36.2	U
72-54-8	4,4'-DDD	36.2	U
1031-07-8	Endosulfan sulfate	36.2	U
50-29-3	4,4'-DDT	36.2	U
72-43-5	Methoxychlor	181	U
7421-93-4	Endrin aldehyde	36.2	U
8001-35-2	Toxaphene	906	U
12674-11-2	Aroclor-1016	113	U
11104-28-2	Aroclor-1221	113	U
1114-16-5	Aroclor-1232	113	U
53469-21-9	Aroclor-1242	113	U
12672-29-6	Aroclor-1248	113	U
11097-69-1	Aroclor-1254	113	U
11096-82-5	Aroclor-1260	113	U
57-74-9	Chlordane (tech.)	226	U
298-02-2	Phorate	45.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-01DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB27

% Moisture: 27 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	45.3	U
56-38-2	Parathion	45.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SD-01DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BKJVB29

% Moisture: 87 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	102	U
319-85-7	beta-BHC	102	U
319-86-8	delta-BHC	102	U
58-89-9	gamma-BHC (Lindane)	102	U
76-44-8	Heptachlor	102	U
309-00-2	Aldrin	102	U
1024-57-3	Heptachlor epoxide	102	U
959-98-8	Endosulfan I	102	U
60-57-1	Dieldrin	205	U
72-55-9	4,4'-DDE	149	JP
72-20-8	Endrin	205	U
33213-65-9	Endosulfan II	205	U
72-54-8	4,4'-DDD	205	U
1031-07-8	Endosulfan sulfate	205	U
50-29-3	4,4'-DDT	205	U
72-43-5	Methoxychlor	1020	U
7421-93-4	Endrin aldehyde	205	U
8001-35-2	Toxaphene	5130	U
12674-11-2	Aroclor-1016	641	U
11104-28-2	Aroclor-1221	641	U
1114-16-5	Aroclor-1232	641	U
53469-21-9	Aroclor-1242	641	U
12672-29-6	Aroclor-1248	641	U
11097-69-1	Aroclor-1254	641	U
11096-82-5	Aroclor-1260	641	U
57-74-9	Chlordane (tech.)	1280	U
298-02-2	Phorate	256	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SD-01DL1

b Name: GENERAL ENGINEERING LABOR Contract:

b Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BKJVB29

% Moisture: 87 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	256	U
56-38-2	Parathion	256	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-01DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.4 (g/mL) g Lab File ID: BKJVB30

% Moisture: 22 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.2	U
319-85-7	beta-BHC	4.2	U
319-86-8	delta-BHC	4.2	U
58-89-9	gamma-BHC (Lindane)	4.2	U
76-44-8	Heptachlor	4.2	U
309-00-2	Aldrin	4.2	U
1024-57-3	Heptachlor epoxide	4.2	U
959-98-8	Endosulfan I	4.2	U
60-57-1	Dieldrin	8.4	U
72-55-9	4,4'-DDE	6.6	JP
72-20-8	Endrin	8.4	U
33213-65-9	Endosulfan II	8.4	U
72-54-8	4,4'-DDD	8.4	U
1031-07-8	Endosulfan sulfate	8.4	U
50-29-3	4,4'-DDT	8.4	U
72-43-5	Methoxychlor	42.2	U
7421-93-4	Endrin aldehyde	8.4	U
8001-35-2	Toxaphene	211	U
12674-11-2	Aroclor-1016	26.4	U
11104-28-2	Aroclor-1221	26.4	U
1114-16-5	Aroclor-1232	26.4	U
53469-21-9	Aroclor-1242	26.4	U
12672-29-6	Aroclor-1248	26.4	U
11097-69-1	Aroclor-1254	26.4	U
11096-82-5	Aroclor-1260	26.4	U
57-74-9	Chlordane (tech.)	52.7	U
298-02-2	Phorate	10.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-01DL1

:b Name: GENERAL ENGINEERING LABOR Contract:

.ab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.4 (g/mL) g Lab File ID: BKJVB30

% Moisture: 22 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	10.5	U
56-38-2	Parathion	10.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SD-01DL2

ıb Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB31

% Moisture: 47 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	12.4	U
319-85-7	beta-BHC	12.4	U
319-86-8	delta-BHC	15.7	P
58-89-9	gamma-BHC (Lindane)	12.4	U
76-44-8	Heptachlor	12.4	U
309-00-2	Aldrin	12.4	U
1024-57-3	Heptachlor epoxide	12.4	U
959-98-8	Endosulfan I	12.4	U
60-57-1	Dieldrin	24.9	U
72-55-9	4,4'-DDE	20.4	JP
72-20-8	Endrin	24.9	U
33213-65-9	Endosulfan II	24.9	U
72-54-8	4,4'-DDD	24.9	U
1031-07-8	Endosulfan sulfate	24.9	U
50-29-3	4,4'-DDT	24.9	U
72-43-5	Methoxychlor	124	U
7421-93-4	Endrin aldehyde	24.9	U
8001-35-2	Toxaphene	623	U
12674-11-2	Aroclor-1016	77.8	U
11104-28-2	Aroclor-1221	77.8	U
1114-16-5	Aroclor-1232	77.8	U
53469-21-9	Aroclor-1242	77.8	U
12672-29-6	Aroclor-1248	77.8	U
11097-69-1	Aroclor-1254	77.8	U
11096-82-5	Aroclor-1260	77.8	U
57-74-9	Chlordane (tech.)	156	U
298-02-2	Phorate	31.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SD-01DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB31

% Moisture: 47 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	31.1	U
56-38-2	Parathion	31.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-01DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB32

% Moisture: 38 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	10.6	U
319-85-7	beta-BHC	10.6	U
319-86-8	delta-BHC	10.6	U
58-89-9	gamma-BHC (Lindane)	10.6	U
76-44-8	Heptachlor	10.6	U
309-00-2	Aldrin	10.6	U
1024-57-3	Heptachlor epoxide	10.6	U
959-98-8	Endosulfan I	10.6	U
60-57-1	Dieldrin	21.3	U
72-55-9	4,4'-DDE	21.3	U
72-20-8	Endrin	21.3	U
33213-65-9	Endosulfan II	21.3	U
72-54-8	4,4'-DDD	21.3	U
1031-07-8	Endosulfan sulfate	21.3	U
50-29-3	4,4'-DDT	21.3	U
72-43-5	Methoxychlor	106	U
7421-93-4	Endrin aldehyde	21.3	U
8001-35-2	Toxaphene	532	U
12674-11-2	Aroclor-1016	66.5	U
11104-28-2	Aroclor-1221	66.5	U
1114-16-5	Aroclor-1232	66.5	U
53469-21-9	Aroclor-1242	66.5	U
12672-29-6	Aroclor-1248	66.5	U
11097-69-1	Aroclor-1254	66.5	U
11096-82-5	Aroclor-1260	66.5	U
57-74-9	Chlordane (tech.)	133	U
298-02-2	Phorate	26.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-01DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB32

% Moisture: 38 decanted: (Y/N) N Date Received: 01/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	26.6	U
56-38-2	Parathion	26.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-01DL2

·b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.9 (g/mL) g Lab File ID: BKJVB18

% Moisture: 62 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	17.0	U
319-85-7	beta-BHC	17.0	U
319-86-8	delta-BHC	17.0	U
58-89-9	gamma-BHC (Lindane)	17.0	U
76-44-8	Heptachlor	17.0	U
309-00-2	Aldrin	17.0	U
1024-57-3	Heptachlor epoxide	17.0	U
959-98-8	Endosulfan I	17.0	U
60-57-1	Dieldrin	34.0	U
72-55-9	4,4'-DDE	41.9	P
72-20-8	Endrin	34.0	U
33213-65-9	Endosulfan II	34.0	U
72-54-8	4,4'-DDD	34.0	U
1031-07-8	Endosulfan sulfate	34.0	U
50-29-3	4,4'-DDT	34.0	U
72-43-5	Methoxychlor	170	U
7421-93-4	Endrin aldehyde	34.0	U
8001-35-2	Toxaphene	850	U
12674-11-2	Aroclor-1016	106	U
11104-28-2	Aroclor-1221	106	U
1114-16-5	Aroclor-1232	106	U
53469-21-9	Aroclor-1242	106	U
12672-29-6	Aroclor-1248	106	U
11097-69-1	Aroclor-1254	106	U
11096-82-5	Aroclor-1260	106	U
57-74-9	Chlordane (tech.)	212	U
298-02-2	Phorate	42.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-01DL2

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.9 (g/mL) g Lab File ID: BKJVB18

% Moisture: 62 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	35.5	JP
56-38-2	Parathion	42.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-02DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB19

% Moisture: 75 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	26.2	U
319-85-7	beta-BHC	26.2	U
319-86-8	delta-BHC	26.2	U
58-89-9	gamma-BHC (Lindane)	26.2	U
76-44-8	Heptachlor	26.2	U
309-00-2	Aldrin	26.2	U
1024-57-3	Heptachlor epoxide	26.2	U
959-98-8	Endosulfan I	26.2	U
60-57-1	Dieldrin	52.4	U
72-55-9	4,4'-DDE	41.9	JP
72-20-8	Endrin	52.4	U
33213-65-9	Endosulfan II	52.4	U
72-54-8	4,4'-DDD	52.4	U
1031-07-8	Endosulfan sulfate	52.4	U
50-29-3	4,4'-DDT	52.4	U
72-43-5	Methoxychlor	262	U
7421-93-4	Endrin aldehyde	52.4	U
8001-35-2	Toxaphene	1310	U
12674-11-2	Aroclor-1016	164	U
11104-28-2	Aroclor-1221	164	U
1114-16-5	Aroclor-1232	164	U
53469-21-9	Aroclor-1242	164	U
12672-29-6	Aroclor-1248	164	U
11097-69-1	Aroclor-1254	164	U
11096-82-5	Aroclor-1260	164	U
57-74-9	Chlordane (tech.)	327	U
298-02-2	Phorate	65.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-02DL1

b Name: GENERAL ENGINEERING LABOR Contract:

.o Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB19

% Moisture: 75 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	65.4	U
56-38-2	Parathion	65.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-03DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB26

% Moisture: 90 decanted: (Y/N) N Date Received: 01/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	32.6	U
319-85-7	beta-BHC	32.6	U
319-86-8	delta-BHC	32.6	U
58-89-9	gamma-BHC (Lindane)	32.6	U
76-44-8	Heptachlor	32.6	U
309-00-2	Aldrin	32.6	U
1024-57-3	Heptachlor epoxide	32.6	U
959-98-8	Endosulfan I	32.6	U
60-57-1	Dieldrin	65.2	U
72-55-9	4,4'-DDE	52.9	JP
72-20-8	Endrin	65.2	U
33213-65-9	Endosulfan II	65.2	U
72-54-8	4,4'-DDD	65.2	U
1031-07-8	Endosulfan sulfate	65.2	U
50-29-3	4,4'-DDT	65.2	U
72-43-5	Methoxychlor	326	U
7421-93-4	Endrin aldehyde	65.2	U
8001-35-2	Toxaphene	1630	U
12674-11-2	Aroclor-1016	204	U
11104-28-2	Aroclor-1221	204	U
1114-16-5	Aroclor-1232	204	U
53469-21-9	Aroclor-1242	204	U
12672-29-6	Aroclor-1248	204	U
11097-69-1	Aroclor-1254	204	U
11096-82-5	Aroclor-1260	204	U
57-74-9	Chlordane (tech.)	408	U
298-02-2	Phorate	81.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1SD-03DL1

ıb Name: GENERAL ENGINEERING LABOR Contract:

. ɔ Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB26

% Moisture: 90 decanted: (Y/N) N Date Received: 01/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	81.5	U
56-38-2	Parathion	81.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB20

% Moisture: 68 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	10.4	U
319-85-7	beta-BHC	10.4	U
319-86-8	delta-BHC	10.4	U
58-89-9	gamma-BHC (Lindane)	10.4	U
76-44-8	Heptachlor	10.4	U
309-00-2	Aldrin	10.4	U
1024-57-3	Heptachlor epoxide	10.4	U
959-98-8	Endosulfan I	10.4	U
60-57-1	Dieldrin	20.7	U
72-55-9	4,4'-DDE	20.7	U
72-20-8	Endrin	20.7	U
33213-65-9	Endosulfan II	20.7	U
72-54-8	4,4'-DDD	20.7	U
1031-07-8	Endosulfan sulfate	20.7	U
50-29-3	4,4'-DDT	20.7	U
72-43-5	Methoxychlor	104	U
7421-93-4	Endrin aldehyde	20.7	U
8001-35-2	Toxaphene	518	U
12674-11-2	Aroclor-1016	64.8	U
11104-28-2	Aroclor-1221	64.8	U
1114-16-5	Aroclor-1232	64.8	U
53469-21-9	Aroclor-1242	64.8	U
12672-29-6	Aroclor-1248	64.8	U
11097-69-1	Aroclor-1254	64.8	U
11096-82-5	Aroclor-1260	64.8	U
57-74-9	Chlordane (tech.)	130	U
298-02-2	Phorate	25.9	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-01DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BKJVB20

% Moisture: 68 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	25.9	U
56-38-2	Parathion	25.9	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-02DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.7 (g/mL) g Lab File ID: BKJVB21

% Moisture: 67 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	9.9	U
319-85-7	beta-BHC	9.9	U
319-86-8	delta-BHC	9.9	U
58-89-9	gamma-BHC (Lindane)	9.9	U
76-44-8	Heptachlor	9.9	U
309-00-2	Aldrin	9.9	U
1024-57-3	Heptachlor epoxide	9.9	U
959-98-8	Endosulfan I	9.9	U
60-57-1	Dieldrin	19.7	U
72-55-9	4,4'-DDE	14.3	JP
72-20-8	Endrin	19.7	U
33213-65-9	Endosulfan II	19.7	U
72-54-8	4,4'-DDD	19.7	U
1031-07-8	Endosulfan sulfate	19.7	U
50-29-3	4,4'-DDT	19.7	U
72-43-5	Methoxychlor	98.7	U
7421-93-4	Endrin aldehyde	19.7	U
8001-35-2	Toxaphene	494	U
12674-11-2	Aroclor-1016	61.7	U
11104-28-2	Aroclor-1221	61.7	U
1114-16-5	Aroclor-1232	61.7	U
53469-21-9	Aroclor-1242	61.7	U
12672-29-6	Aroclor-1248	61.7	U
11097-69-1	Aroclor-1254	61.7	U
11096-82-5	Aroclor-1260	61.7	U
57-74-9	Chlordane (tech.)	123	U
298-02-2	Phorate	24.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-02DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.7 (g/mL) g Lab File ID: BKJVB21

% Moisture: 67 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	24.7	U
56-38-2	Parathion	24.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-03DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.9 (g/mL) g Lab File ID: BKJVB23

% Moisture: 82 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	17.9	U
319-85-7	beta-BHC	17.9	U
319-86-8	delta-BHC	17.9	U
58-89-9	gamma-BHC (Lindane)	17.9	U
76-44-8	Heptachlor	17.9	U
309-00-2	Aldrin	17.9	U
1024-57-3	Heptachlor epoxide	17.9	U
959-98-8	Endosulfan I	17.9	U
60-57-1	Dieldrin	35.9	U
72-55-9	4,4'-DDE	35.9	U
72-20-8	Endrin	35.9	U
33213-65-9	Endosulfan II	35.9	U
72-54-8	4,4'-DDD	35.9	U
1031-07-8	Endosulfan sulfate	35.9	U
50-29-3	4,4'-DDT	35.9	U
72-43-5	Methoxychlor	179	U
7421-93-4	Endrin aldehyde	35.9	U
8001-35-2	Toxaphene	897	U
12674-11-2	Aroclor-1016	112	U
11104-28-2	Aroclor-1221	112	U
1114-16-5	Aroclor-1232	112	U
53469-21-9	Aroclor-1242	112	U
12672-29-6	Aroclor-1248	112	U
11097-69-1	Aroclor-1254	112	U
11096-82-5	Aroclor-1260	112	U
57-74-9	Chlordane (tech.)	224	U
298-02-2	Phorate	44.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-03DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.9 (g/mL) g Lab File ID: BKJVB23

% Moisture: 82 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	14.8	JP
56-38-2	Parathion	44.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-04DL1

ıb Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB24

% Moisture: 64 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	14.2	
58-89-9	gamma-BHC (Lindane)	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18.1	U
72-55-9	4,4'-DDE	18.1	U
72-20-8	Endrin	18.1	U
33213-65-9	Endosulfan II	18.1	U
72-54-8	4,4'-DDD	18.1	U
1031-07-8	Endosulfan sulfate	18.1	U
50-29-3	4,4'-DDT	18.1	U
72-43-5	Methoxychlor	90.6	U
7421-93-4	Endrin aldehyde	18.1	U
8001-35-2	Toxaphene	453	U
12674-11-2	Aroclor-1016	56.6	U
11104-28-2	Aroclor-1221	56.6	U
1114-16-5	Aroclor-1232	56.6	U
53469-21-9	Aroclor-1242	56.6	U
12672-29-6	Aroclor-1248	56.6	U
11097-69-1	Aroclor-1254	56.6	U
11096-82-5	Aroclor-1260	56.6	U
57-74-9	Chlordane (tech.)	113	U
298-02-2	Phorate	22.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-04DL1

b Name: GENERAL ENGINEERING LABOR Contract:

o Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB24

% Moisture: 64 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	38.8	P
56-38-2	Parathion	22.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-05

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BKJVB25

% Moisture: 83 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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	3.9	U
319-85-7	beta-BHC	3.9	U
319-86-8	delta-BHC	11.3	P
58-89-9	gamma-BHC (Lindane)	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	7.8	U
72-55-9	4,4'-DDE	6.4	JP
72-20-8	Endrin	7.8	U
33213-65-9	Endosulfan II	7.8	U
72-54-8	4,4'-DDD	7.8	U
1031-07-8	Endosulfan sulfate	7.8	U
50-29-3	4,4'-DDT	7.8	U
72-43-5	Methoxychlor	39.2	U
7421-93-4	Endrin aldehyde	7.8	U
8001-35-2	Toxaphene	196	U
12674-11-2	Aroclor-1016	24.5	U
11104-28-2	Aroclor-1221	24.5	U
1114-16-5	Aroclor-1232	24.5	U
53469-21-9	Aroclor-1242	24.5	U
12672-29-6	Aroclor-1248	24.5	U
11097-69-1	Aroclor-1254	24.5	U
11096-82-5	Aroclor-1260	24.5	U
57-74-9	Chlordane (tech.)	49.0	U
298-02-2	Phorate	9.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S9SD-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.0 (g/mL) g Lab File ID: BKJVB25

% Moisture: 83 decanted: (Y/N) N Date Received: 01/23/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

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
298-00-0	Methyl Parathion	9.8	U
56-38-2	Parathion	9.8	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61418S
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
S1SD-01	9601418-01
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20
Blank	QC338999
Laboratory Control Sample (LCS)	QC339000
Laboratory Control Sample Duplicate (LCSD)	QC339001
S1SD-01 Matrix Spike (MS)	QC339002
S1SD-01 Matrix Spike Duplicate (MSD)	QC339003

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

Samples BG1SD-01, BG3SD-01 and BG3SS-01 did not meet surrogate recovery criteria due to dilutions.

Internal Standards

Samples BG3SD-01 and BG3SS-01, initially analyzed at 4x dilutions, failed internal standard recovery criteria. The samples were re-analyzed at 10x dilutions and met internal standard criteria. Both runs are reported on the forms and EDD.

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 differecne (RPD), with the exception of Pyrene, which failed recovery criteria. Matrix interference is duplicated in the MS and MSD. The LCS and LCSD can be used to demonstate accuracy and precision. The MS limits are generated by statistical process control (SPC).

Laboratory Control Samples

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

Dilutions

Sample BG1SD-01 was analyzed at a 4x dilution and samples BG3SD-01 and BG3SS-01 were analyzed at 4x and 10x dilutions due to matrix interference.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01DL1

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H209

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 70 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	4380	U
95-48-7	2-methylphenol	4380	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	4380	U
67-72-1	hexachloroethane	4380	U
98-95-3	nitrobenzene	4380	U
87-68-3	hexachlorobutadiene	4380	U
88-06-2	2,4,6-trichlorophenol	4380	U
95-95-4	2,4,5-trichlorophenol	4380	U
121-14-2	2,4-dinitrotoluene	4380	U
118-74-1	hexachlorobenzene	4380	U
87-86-5	pentachlorophenol	4380	U
62-53-3	aniline	4380	U
108-95-2	phenol	4380	U
111-44-4	bis(2-chloroethyl)ether	4380	U
95-57-8	2-chlorophenol	4380	U
541-73-1	1,3-dichlorobenzene	4380	U
106-46-7	1,4-dichlorobenzene	4380	U
100-51-6	benzyl alcohol	4380	U
95-50-1	1,2-dichlorobenzene	4380	U
98-86-2	acetophenone	4380	U
621-64-7	N-nitroso-di-n-propylamine	4380	U
78-59-1	isophorone	4380	U
88-75-5	2-nitrophenol	4380	U
105-67-9	2,4-dimethylphenol	4380	U
111-91-1	bis(2-chloroethoxy)methane	4380	U
120-83-2	2,4-dichlorophenol	4380	U
120-82-1	1,2,4-trichlorobenzene	4380	U
91-20-3	naphthalene	4380	U
106-47-8	4-chloroaniline	4380	U
59-50-7	4-chloro-3-methylphenol	4380	U
91-57-6	2-methylnaphthalene	4380	U
77-47-4	hexachlorocyclopentadiene	4380	U
91-58-7	2-chloronaphthalene	4380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H209

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 70 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	4380	U
131-11-3	dimethylphthalate	4380	U
209-96-8	acenaphthylene	4380	U
606-20-2	2,6-dinitrotoluene	4380	U
99-09-2	3-nitroaniline	4380	U
83-32-9	acenaphthene	4380	U
51-28-5	2,4-dinitrophenol	8770	U
132-64-9	dibenzofuran	4380	U
100-02-7	4-nitrophenol	4380	U
84-66-2	diethylphthalate	4380	U
7005-72-3	4-chlorophenylphenylether	4380	U
86-73-7	fluorene	4380	U
100-01-6	4-nitroaniline	4380	U
534-52-1	4,6-dinitro-2-methylphenol	4380	U
86-30-6	N-nitroso-diphenylamine	4380	U
101-55-3	4-bromophenylphenylether	4380	U
85-01-8	phenanthrene	4380	U
120-12-7	anthracene	4380	U
84-74-2	di-n-butylphthalate	4380	U
206-44-0	fluoranthene	4380	U
129-00-0	pyrene	4380	U
85-68-7	butylbenzylphthalate	4380	U
91-94-1	3,3'-dichlorobenzidine	21900	U
56-55-3	benzo(a)anthracene	4380	U
218-01-9	chrysene	4380	U
117-81-7	bis(2-ethylhexyl)phthalate	4380	U
117-84-0	di-n-octylphthalate	4380	U
205-99-2	benzo(b)fluoranthene	4380	U
207-08-9	benzo(k)fluoranthene	4380	U
50-32-8	benzo(a)pyrene	4380	U
193-39-5	indeno(1,2,3-cd)pyrene	4380	U
53-70-3	dibenz(a,h)anthracene	4380	U
191-24-2	benzo(g,h,i)perylene	4380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H209

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 70 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	4380	U
123-91-1	1,4-dioxane	4380	U
80-62-6	methyl methacrylate	4380	U
97-63-2	ethyl methacrylate	4380	U
109-06-8	2-picoline	4380	U
10595-95-6	n-nitrosomethylethylamine	4380	U
66-27-3	methyl methanesulfonate	4380	U
55-18-5	n-nitrosodiethylamine	4380	U
62-50-0	ethyl methanesulfonate	4380	U
76-01-7	pentachloroethane	4380	U
930-55-2	n-nitrosopyrrolidine	4380	U
59-89-2	n-nitrosomorpholine	4380	U
95-53-4	o-toluidine	4380	U
100-75-4	n-nitrosopiperdine	4380	U
122-09-8	a,a-dimethylphenethylamine	4380	U
126-68-1	triethylphosphorothioate	4380	U
87-65-0	2,6-dichlorophenol	4380	U
1888-71-7	hexachloropropene	4380	U
106-50-3	p-phenylenediamine	8770	U
924-16-3	n-nitroso-di-n-butylamine	4380	U
94-59-7	safrole	4380	U
634-90-2	1,2,4,5-tetrachlorobenzene	4380	U
120-58-1	isosafrole	4380	U
130-15-4	1,4-naphthoquinone	4380	U
99-65-0	m-dinitrobenzene	4380	U
608-93-5	pentachlorobenzene	4380	U
134-32-7	1-naphthylamine	4380	U
91-59-8	2-naphthylamine	4380	U
58-90-2	2,3,4,6-tetrachlorophenol	4380	U
99-55-8	5-nitro-o-toluidine	4380	U
297-97-2	thionazine	4380	U
122-39-4	diphenylamine	4380	U
3689-24-5	sulfotepp	4380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H209

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 70 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	21900	U
62-44-2	phenacetin	4380	U
2303-16-4	diallate	4380	U
60-51-5	dimethoate	21900	U
92-67-1	4-aminobiphenyl	4380	U
82-68-8	pentachloronitrobenzene	4380	U
23950-58-5	pronamide	4380	U
88-85-7	dinoseb	4380	U
298-04-4	disulfoton	4380	U
56-57-5	4-nitroquinoline-1-oxide	4380	U
135-23-9	methapyrilene	21900	U
465-73-6	isodrin	4380	U
140-57-8	aramite	4380	U
143-50-0	kepone	4380	U
60-11-7	p-(dimethylamino)azobenzene	4380	U
510-15-6	chlorobenzilate	21900	U
119-93-7	3,3'-dimethylbenzidine	21900	U
52-85-7	famphur	4380	U
53-96-3	2-acetylaminofluorene	4380	U
57-97-6	7,12-dimethylbenz(a)anthracene	4380	U
59-49-5	3-methylcholanthrene	4380	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H208

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 27 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	455	U
95-48-7	2-methylphenol	455	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	455	U
67-72-1	hexachloroethane	455	U
98-95-3	nitrobenzene	455	U
87-68-3	hexachlorobutadiene	455	U
88-06-2	2,4,6-trichlorophenol	455	U
95-95-4	2,4,5-trichlorophenol	455	U
121-14-2	2,4-dinitrotoluene	455	U
118-74-1	hexachlorobenzene	455	U
87-86-5	pentachlorophenol	455	U
62-53-3	aniline	455	U
108-95-2	phenol	455	U
111-44-4	bis(2-chloroethyl)ether	455	U
95-57-8	2-chlorophenol	455	U
541-73-1	1,3-dichlorobenzene	455	U
106-46-7	1,4-dichlorobenzene	455	U
100-51-6	benzyl alcohol	455	U
95-50-1	1,2-dichlorobenzene	455	U
98-86-2	acetophenone	455	U
621-64-7	N-nitroso-di-n-propylamine	455	U
78-59-1	isophorone	455	U
88-75-5	2-nitrophenol	455	U
105-67-9	2,4-dimethylphenol	455	U
111-91-1	bis(2-chloroethoxy)methane	455	U
120-83-2	2,4-dichlorophenol	455	U
120-82-1	1,2,4-trichlorobenzene	455	U
91-20-3	naphthalene	455	U
106-47-8	4-chloroaniline	455	U
59-50-7	4-chloro-3-methylphenol	455	U
91-57-6	2-methylnaphthalene	455	U
77-47-4	hexachlorocyclopentadiene	455	U
91-58-7	2-chloronaphthalene	455	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

ab Name: GENERAL ENGINEERING LABOR Contract:

. .b Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H208

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 27 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	455	U
131-11-3	dimethylphthalate	455	U
209-96-8	acenaphthylene	455	U
606-20-2	2,6-dinitrotoluene	455	U
99-09-2	3-nitroaniline	455	U
83-32-9	acenaphthene	455	U
51-28-5	2,4-dinitrophenol	910	U
132-64-9	dibenzofuran	455	U
100-02-7	4-nitrophenol	455	U
84-66-2	diethylphthalate	455	U
7005-72-3	4-chlorophenylphenylether	455	U
86-73-7	fluorene	455	U
100-01-6	4-nitroaniline	455	U
534-52-1	4,6-dinitro-2-methylphenol	455	U
86-30-6	N-nitroso-diphenylamine	455	U
101-55-3	4-bromophenylphenylether	455	U
85-01-8	phenanthrene	455	U
120-12-7	anthracene	455	U
84-74-2	di-n-butylphthalate	455	U
206-44-0	fluoranthene	455	U
129-00-0	pyrene	455	U
85-68-7	butylbenzylphthalate	455	U
91-94-1	3,3'-dichlorobenzidine	2280	U
56-55-3	benzo(a)anthracene	455	U
218-01-9	chrysene	455	U
117-81-7	bis(2-ethylhexyl)phthalate	455	U
117-84-0	di-n-octylphthalate	455	U
205-99-2	benzo(b)fluoranthene	455	U
207-08-9	benzo(k)fluoranthene	455	U
50-32-8	benzo(a)pyrene	455	U
193-39-5	indeno(1,2,3-cd)pyrene	455	U
53-70-3	dibenz(a,h)anthracene	455	U
191-24-2	benzo(g,h,i)perylene	455	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H208

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 27 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	455	U
123-91-1	1,4-dioxane	455	U
80-62-6	methyl methacrylate	455	U
97-63-2	ethyl methacrylate	455	U
109-06-8	2-picoline	455	U
10595-95-6	n-nitrosomethylethylamine	455	U
66-27-3	methyl methanesulfonate	455	U
55-18-5	n-nitrosodiethylamine	455	U
62-50-0	ethyl methanesulfonate	455	U
76-01-7	pentachloroethane	455	U
930-55-2	n-nitrosopyrrolidine	455	U
59-89-2	n-nitrosomorpholine	455	U
95-53-4	o-toluidine	455	U
100-75-4	n-nitrosopiperdine	455	U
122-09-8	a,a-dimethylphenethylamine	455	U
126-68-1	triethylphosphorothioate	455	U
87-65-0	2,6-dichlorophenol	455	U
1888-71-7	hexachloropropene	455	U
106-50-3	p-phenylenediamine	910	U
924-16-3	n-nitroso-di-n-butylamine	455	U
94-59-7	safrole	455	U
634-90-2	1,2,4,5-tetrachlorobenzene	455	U
120-58-1	isosafrole	455	U
130-15-4	1,4-naphthoquinone	455	U
99-65-0	m-dinitrobenzene	455	U
608-93-5	pentachlorobenzene	455	U
134-32-7	1-naphthylamine	455	U
91-59-8	2-naphthylamine	455	U
58-90-2	2,3,4,6-tetrachlorophenol	455	U
99-55-8	5-nitro-o-toluidine	455	U
297-97-2	thionazine	455	U
122-39-4	diphenylamine	455	U
3689-24-5	sulfotepp	455	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H208

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 27 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2280	U
62-44-2	phenacetin	455	U
2303-16-4	diallate	455	U
60-51-5	dimethoate	2280	U
92-67-1	4-aminobiphenyl	455	U
82-68-8	pentachloronitrobenzene	455	U
23950-58-5	pronamide	455	U
88-85-7	dinoseb	455	U
298-04-4	disulfoton	455	U
56-57-5	4-nitroquinoline-1-oxide	455	U
135-23-9	methapyrilene	2280	U
465-73-6	isodrin	455	U
140-57-8	aramite	455	U
143-50-0	kepone	455	U
60-11-7	p-(dimethylamino)azobenzene	455	U
510-15-6	chlorobenzilate	2280	U
119-93-7	3,3'-dimethylbenzidine	2280	U
52-85-7	famphur	455	U
53-96-3	2-acetylaminofluorene	455	U
57-97-6	7,12-dimethylbenz(a)anthracene	455	U
59-49-5	3-methylcholanthrene	455	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H210

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2530	U
95-48-7	2-methylphenol	2530	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	2530	U
67-72-1	hexachloroethane	2530	U
98-95-3	nitrobenzene	2530	U
87-68-3	hexachlorobutadiene	2530	U
88-06-2	2,4,6-trichlorophenol	2530	U
95-95-4	2,4,5-trichlorophenol	2530	U
121-14-2	2,4-dinitrotoluene	2530	U
118-74-1	hexachlorobenzene	2530	U
87-86-5	pentachlorophenol	2530	U
62-53-3	aniline	2530	U
108-95-2	phenol	2530	U
111-44-4	bis(2-chloroethyl)ether	2530	U
95-57-8	2-chlorophenol	2530	U
541-73-1	1,3-dichlorobenzene	2530	U
106-46-7	1,4-dichlorobenzene	2530	U
100-51-6	benzyl alcohol	2530	U
95-50-1	1,2-dichlorobenzene	2530	U
98-86-2	acetophenone	2530	U
621-64-7	N-nitroso-di-n-propylamine	2530	U
78-59-1	isophorone	2530	U
88-75-5	2-nitrophenol	2530	U
105-67-9	2,4-dimethylphenol	2530	U
111-91-1	bis(2-chloroethoxy)methane	2530	U
120-83-2	2,4-dichlorophenol	2530	U
120-82-1	1,2,4-trichlorobenzene	2530	U
91-20-3	naphthalene	2530	U
106-47-8	4-chloroaniline	2530	U
59-50-7	4-chloro-3-methylphenol	2530	U
91-57-6	2-methylnaphthalene	2530	U
77-47-4	hexachlorocyclopentadiene	2530	U
91-58-7	2-chloronaphthalene	2530	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H210

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2530	U
131-11-3	dimethylphthalate	2530	U
209-96-8	acenaphthylene	2530	U
606-20-2	2,6-dinitrotoluene	2530	U
99-09-2	3-nitroaniline	2530	U
83-32-9	acenaphthene	2530	U
51-28-5	2,4-dinitrophenol	5050	U
132-64-9	dibenzofuran	2530	U
100-02-7	4-nitrophenol	2530	U
84-66-2	diethylphthalate	2530	U
7005-72-3	4-chlorophenylphenylether	2530	U
86-73-7	fluorene	2530	U
100-01-6	4-nitroaniline	2530	U
534-52-1	4,6-dinitro-2-methylphenol	2530	U
86-30-6	N-nitroso-diphenylamine	2530	U
101-55-3	4-bromophenylphenylether	2530	U
85-01-8	phenanthrene	2530	U
120-12-7	anthracene	2530	U
84-74-2	di-n-butylphthalate	2530	U
206-44-0	fluoranthene	2530	U
129-00-0	pyrene	2530	U
85-68-7	butylbenzylphthalate	2530	U
91-94-1	3,3'-dichlorobenzidine	12600	U
56-55-3	benzo(a)anthracene	2530	U
218-01-9	chrysene	2530	U
117-81-7	bis(2-ethylhexyl)phthalate	2530	U
117-84-0	di-n-octylphthalate	2530	U
205-99-2	benzo(b)fluoranthene	2530	U
207-08-9	benzo(k)fluoranthene	2530	U
50-32-8	benzo(a)pyrene	2530	U
193-39-5	indeno(1,2,3-cd)pyrene	2530	U
53-70-3	dibenz(a,h)anthracene	2530	U
191-24-2	benzo(g,h,i)perylene	2530	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H210

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	2530	U
123-91-1	1,4-dioxane	2530	U
80-62-6	methyl methacrylate	2530	U
97-63-2	ethyl methacrylate	2530	U
109-06-8	2-picoline	2530	U
10595-95-6	n-nitrosomethylethylamine	2530	U
66-27-3	methyl methanesulfonate	2530	U
55-18-5	n-nitrosodiethylamine	2530	U
62-50-0	ethyl methanesulfonate	2530	U
76-01-7	pentachloroethane	2530	U
930-55-2	n-nitrosopyrrolidine	2530	U
59-89-2	n-nitrosomorpholine	2530	U
95-53-4	o-toluidine	2530	U
100-75-4	n-nitrosopiperdine	2530	U
122-09-8	a,a-dimethylphenethylamine	2530	U
126-68-1	triethylphosphorothioate	2530	U
87-65-0	2,6-dichlorophenol	2530	U
1888-71-7	hexachloropropene	2530	U
106-50-3	p-phenylenediamine	5050	U
924-16-3	n-nitroso-di-n-butylamine	2530	U
94-59-7	safrole	2530	U
634-90-2	1,2,4,5-tetrachlorobenzene	2530	U
120-58-1	isosafrole	2530	U
130-15-4	1,4-naphthoquinone	2530	U
99-65-0	m-dinitrobenzene	2530	U
608-93-5	pentachlorobenzene	2530	U
134-32-7	1-naphthylamine	2530	U
91-59-8	2-naphthylamine	2530	U
58-90-2	2,3,4,6-tetrachlorophenol	2530	U
99-55-8	5-nitro-o-toluidine	2530	U
297-97-2	thionazine	2530	U
122-39-4	diphenylamine	2530	U
3689-24-5	sulfotepp	2530	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H210

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	12600	U
62-44-2	phenacetin	2530	U
2303-16-4	diallate	2530	U
60-51-5	dimethoate	12600	U
92-67-1	4-aminobiphenyl	2530	U
82-68-8	pentachloronitrobenzene	2530	U
23950-58-5	pronamide	2530	U
88-85-7	dinoseb	2530	U
298-04-4	disulfoton	2530	U
56-57-5	4-nitroquinoline-1-oxide	2530	U
135-23-9	methapyrilene	12600	U
465-73-6	isodrin	2530	U
140-57-8	aramite	2530	U
143-50-0	kepone	2530	U
60-11-7	p-(dimethylamino)azobenzene	2530	U
510-15-6	chlorobenzilate	12600	U
119-93-7	3,3'-dimethylbenzidine	12600	U
52-85-7	famphur	2530	U
53-96-3	2-acetylaminofluorene	2530	U
57-97-6	7,12-dimethylbenz(a)anthracene	2530	U
59-49-5	3-methylcholanthrene	2530	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H211

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	423	U
95-48-7	2-methylphenol	423	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	423	U
67-72-1	hexachloroethane	423	U
98-95-3	nitrobenzene	423	U
87-68-3	hexachlorobutadiene	423	U
88-06-2	2,4,6-trichlorophenol	423	U
95-95-4	2,4,5-trichlorophenol	423	U
121-14-2	2,4-dinitrotoluene	423	U
118-74-1	hexachlorobenzene	423	U
87-86-5	pentachlorophenol	423	U
62-53-3	aniline	423	U
108-95-2	phenol	423	U
111-44-4	bis(2-chloroethyl)ether	423	U
95-57-8	2-chlorophenol	423	U
541-73-1	1,3-dichlorobenzene	423	U
106-46-7	1,4-dichlorobenzene	423	U
100-51-6	benzyl alcohol	423	U
95-50-1	1,2-dichlorobenzene	423	U
98-86-2	acetophenone	423	U
621-64-7	N-nitroso-di-n-propylamine	423	U
78-59-1	isophorone	423	U
88-75-5	2-nitrophenol	423	U
105-67-9	2,4-dimethylphenol	423	U
111-91-1	bis(2-chloroethoxy)methane	423	U
120-83-2	2,4-dichlorophenol	423	U
120-82-1	1,2,4-trichlorobenzene	423	U
91-20-3	naphthalene	423	U
106-47-8	4-chloroaniline	423	U
59-50-7	4-chloro-3-methylphenol	423	U
91-57-6	2-methylnaphthalene	423	U
77-47-4	hexachlorocyclopentadiene	423	U
91-58-7	2-chloronaphthalene	423	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H211

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	423	U
131-11-3	dimethylphthalate	423	U
209-96-8	acenaphthylene	423	U
606-20-2	2,6-dinitrotoluene	423	U
99-09-2	3-nitroaniline	423	U
83-32-9	acenaphthene	423	U
51-28-5	2,4-dinitrophenol	846	U
132-64-9	dibenzofuran	423	U
100-02-7	4-nitrophenol	423	U
84-66-2	diethylphthalate	423	U
7005-72-3	4-chlorophenylphenylether	423	U
86-73-7	fluorene	423	U
100-01-6	4-nitroaniline	423	U
534-52-1	4,6-dinitro-2-methylphenol	423	U
86-30-6	N-nitroso-diphenylamine	423	U
101-55-3	4-bromophenylphenylether	423	U
85-01-8	phenanthrene	423	U
120-12-7	anthracene	423	U
84-74-2	di-n-butylphthalate	423	U
206-44-0	fluoranthene	423	U
129-00-0	pyrene	423	U
85-68-7	butylbenzylphthalate	423	U
91-94-1	3,3'-dichlorobenzidine	2120	U
56-55-3	benzo(a)anthracene	423	U
218-01-9	chrysene	423	U
117-81-7	bis(2-ethylhexyl)phthalate	423	U
117-84-0	di-n-octylphthalate	423	U
205-99-2	benzo(b)fluoranthene	423	U
207-08-9	benzo(k)fluoranthene	423	U
50-32-8	benzo(a)pyrene	423	U
193-39-5	indeno(1,2,3-cd)pyrene	423	U
53-70-3	dibenz(a,h)anthracene	423	U
191-24-2	benzo(g,h,i)perylene	423	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H211

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	423	U
123-91-1	1,4-dioxane	423	U
80-62-6	methyl methacrylate	423	U
97-63-2	ethyl methacrylate	423	U
109-06-8	2-picoline	423	U
10595-95-6	n-nitrosomethylethylamine	423	U
66-27-3	methyl methanesulfonate	423	U
55-18-5	n-nitrosodiethylamine	423	U
62-50-0	ethyl methanesulfonate	423	U
76-01-7	pentachloroethane	423	U
930-55-2	n-nitrosopyrrolidine	423	U
59-89-2	n-nitrosomorpholine	423	U
95-53-4	o-toluidine	423	U
100-75-4	n-nitrosopiperdine	423	U
122-09-8	a,a-dimethylphenethylamine	423	U
126-68-1	triethylphosphorothioate	423	U
87-65-0	2,6-dichlorophenol	423	U
1888-71-7	hexachloropropene	423	U
106-50-3	p-phenylenediamine	846	U
924-16-3	n-nitroso-di-n-butylamine	423	U
94-59-7	safrole	423	U
634-90-2	1,2,4,5-tetrachlorobenzene	423	U
120-58-1	isosafrole	423	U
130-15-4	1,4-naphthoquinone	423	U
99-65-0	m-dinitrobenzene	423	U
608-93-5	pentachlorobenzene	423	U
134-32-7	1-naphthylamine	423	U
91-59-8	2-naphthylamine	423	U
58-90-2	2,3,4,6-tetrachlorophenol	423	U
99-55-8	5-nitro-o-toluidine	423	U
297-97-2	thionazine	423	U
122-39-4	diphenylamine	423	U
3689-24-5	sulfotepp	423	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H211

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2120	U
62-44-2	phenacetin	423	U
2303-16-4	diallate	423	U
60-51-5	dimethoate	2120	U
92-67-1	4-aminobiphenyl	423	U
82-68-8	pentachloronitrobenzene	423	U
23950-58-5	pronamide	423	U
88-85-7	dinoseb	423	U
298-04-4	disulfoton	423	U
56-57-5	4-nitroquinoline-1-oxide	423	U
135-23-9	methapyrilene	2120	U
465-73-6	isodrin	423	U
140-57-8	aramite	423	U
143-50-0	kepone	423	U
60-11-7	p-(dimethylamino)azobenzene	423	U
510-15-6	chlorobenzilate	2120	U
119-93-7	3,3'-dimethylbenzidine	2120	U
52-85-7	famphur	423	U
53-96-3	2-acetylaminofluorene	423	U
57-97-6	7,12-dimethylbenz(a)anthracene	423	U
59-49-5	3-methylcholanthrene	423	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H212

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2460	U
95-48-7	2-methylphenol	2460	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	2460	U
67-72-1	hexachloroethane	2460	U
98-95-3	nitrobenzene	2460	U
87-68-3	hexachlorobutadiene	2460	U
88-06-2	2,4,6-trichlorophenol	2460	U
95-95-4	2,4,5-trichlorophenol	2460	U
121-14-2	2,4-dinitrotoluene	2460	U
118-74-1	hexachlorobenzene	2460	U
87-86-5	pentachlorophenol	2460	U
62-53-3	aniline	2460	U
108-95-2	phenol	2460	U
111-44-4	bis(2-chloroethyl)ether	2460	U
95-57-8	2-chlorophenol	2460	U
541-73-1	1,3-dichlorobenzene	2460	U
106-46-7	1,4-dichlorobenzene	2460	U
100-51-6	benzyl alcohol	2460	U
95-50-1	1,2-dichlorobenzene	2460	U
98-86-2	acetophenone	2460	U
621-64-7	N-nitroso-di-n-propylamine	2460	U
78-59-1	isophorone	2460	U
88-75-5	2-nitrophenol	2460	U
105-67-9	2,4-dimethylphenol	2460	U
111-91-1	bis(2-chloroethoxy)methane	2460	U
120-83-2	2,4-dichlorophenol	2460	U
120-82-1	1,2,4-trichlorobenzene	2460	U
91-20-3	naphthalene	2460	U
106-47-8	4-chloroaniline	2460	U
59-50-7	4-chloro-3-methylphenol	2460	U
91-57-6	2-methylnaphthalene	2460	U
77-47-4	hexachlorocyclopentadiene	2460	U
91-58-7	2-chloronaphthalene	2460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H212

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2460	U
131-11-3	dimethylphthalate	2460	U
209-96-8	acenaphthylene	2460	U
606-20-2	2,6-dinitrotoluene	2460	U
99-09-2	3-nitroaniline	2460	U
83-32-9	acenaphthene	2460	U
51-28-5	2,4-dinitrophenol	4920	U
132-64-9	dibenzofuran	2460	U
100-02-7	4-nitrophenol	2460	U
84-66-2	diethylphthalate	2460	U
7005-72-3	4-chlorophenylphenylether	2460	U
86-73-7	fluorene	2460	U
100-01-6	4-nitroaniline	2460	U
534-52-1	4,6-dinitro-2-methylphenol	2460	U
86-30-6	N-nitroso-diphenylamine	2460	U
101-55-3	4-bromophenylphenylether	2460	U
85-01-8	phenanthrene	2460	U
120-12-7	anthracene	2460	U
84-74-2	di-n-butylphthalate	2460	U
206-44-0	fluoranthene	2460	U
129-00-0	pyrene	2460	U
85-68-7	butylbenzylphthalate	2460	U
91-94-1	3,3'-dichlorobenzidine	12300	U
56-55-3	benzo(a)anthracene	2460	U
218-01-9	chrysene	2460	U
117-81-7	bis(2-ethylhexyl)phthalate	2460	U
117-84-0	di-n-octylphthalate	2460	U
205-99-2	benzo(b)fluoranthene	2460	U
207-08-9	benzo(k)fluoranthene	2460	U
50-32-8	benzo(a)pyrene	2460	U
193-39-5	indeno(1,2,3-cd)pyrene	2460	U
53-70-3	dibenz(a,h)anthracene	2460	U
191-24-2	benzo(g,h,i)perylene	2460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H212

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	2460	U
123-91-1	1,4-dioxane	2460	U
80-62-6	methyl methacrylate	2460	U
97-63-2	ethyl methacrylate	2460	U
109-06-8	2-picoline	2460	U
10595-95-6	n-nitrosomethylethylamine	2460	U
66-27-3	methyl methanesulfonate	2460	U
55-18-5	n-nitrosodiethylamine	2460	U
62-50-0	ethyl methanesulfonate	2460	U
76-01-7	pentachloroethane	2460	U
930-55-2	n-nitrosopyrrolidine	2460	U
59-89-2	n-nitrosomorpholine	2460	U
95-53-4	o-toluidine	2460	U
100-75-4	n-nitrosopiperdine	2460	U
122-09-8	a,a-dimethylphenethylamine	2460	U
126-68-1	triethylphosphorothioate	2460	U
87-65-0	2,6-dichlorophenol	2460	U
1888-71-7	hexachloropropene	2460	U
106-50-3	p-phenylenediamine	4920	U
924-16-3	n-nitroso-di-n-butylamine	2460	U
94-59-7	safrole	2460	U
634-90-2	1,2,4,5-tetrachlorobenzene	2460	U
120-58-1	isosafrole	2460	U
130-15-4	1,4-naphthoquinone	2460	U
99-65-0	m-dinitrobenzene	2460	U
608-93-5	pentachlorobenzene	2460	U
134-32-7	1-naphthylamine	2460	U
91-59-8	2-naphthylamine	2460	U
58-90-2	2,3,4,6-tetrachlorophenol	2460	U
99-55-8	5-nitro-o-toluidine	2460	U
297-97-2	thionazine	2460	U
122-39-4	diphenylamine	2460	U
3689-24-5	sulfotepp	2460	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H212

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	12300	U
62-44-2	phenacetin	2460	U
2303-16-4	diallate	2460	U
60-51-5	dimethoate	12300	U
92-67-1	4-aminobiphenyl	2460	U
82-68-8	pentachloronitrobenzene	2460	U
23950-58-5	pronamide	2460	U
88-85-7	dinoseb	2460	U
298-04-4	disulfoton	2460	U
56-57-5	4-nitroquinoline-1-oxide	2460	U
135-23-9	methapyrilene	12300	U
465-73-6	isodrin	2460	U
140-57-8	aramite	2460	U
143-50-0	kepone	2460	U
60-11-7	p-(dimethylamino)azobenzene	2460	U
510-15-6	chlorobenzilate	12300	U
119-93-7	3,3'-dimethylbenzidine	12300	U
52-85-7	famphur	2460	U
53-96-3	2-acetylaminofluorene	2460	U
57-97-6	7,12-dimethylbenz(a)anthracene	2460	U
59-49-5	3-methylcholanthrene	2460	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H309

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	6150	U
95-48-7	2-methylphenol	6150	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	6150	U
67-72-1	hexachloroethane	6150	U
98-95-3	nitrobenzene	6150	U
87-68-3	hexachlorobutadiene	6150	U
88-06-2	2,4,6-trichlorophenol	6150	U
95-95-4	2,4,5-trichlorophenol	6150	U
121-14-2	2,4-dinitrotoluene	6150	U
118-74-1	hexachlorobenzene	6150	U
87-86-5	pentachlorophenol	6150	U
62-53-3	aniline	6150	U
108-95-2	phenol	6150	U
111-44-4	bis(2-chloroethyl)ether	6150	U
95-57-8	2-chlorophenol	6150	U
541-73-1	1,3-dichlorobenzene	6150	U
106-46-7	1,4-dichlorobenzene	6150	U
100-51-6	benzyl alcohol	6150	U
95-50-1	1,2-dichlorobenzene	6150	U
98-86-2	acetophenone	6150	U
621-64-7	N-nitroso-di-n-propylamine	6150	U
78-59-1	isophorone	6150	U
88-75-5	2-nitrophenol	6150	U
105-67-9	2,4-dimethylphenol	6150	U
111-91-1	bis(2-chloroethoxy)methane	6150	U
120-83-2	2,4-dichlorophenol	6150	U
120-82-1	1,2,4-trichlorobenzene	6150	U
91-20-3	naphthalene	6150	U
106-47-8	4-chloroaniline	6150	U
59-50-7	4-chloro-3-methylphenol	6150	U
91-57-6	2-methylnaphthalene	6150	U
77-47-4	hexachlorocyclopentadiene	6150	U
91-58-7	2-chloronaphthalene	6150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H309

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	6150	U
131-11-3	dimethylphthalate	6150	U
209-96-8	acenaphthylene	6150	U
606-20-2	2,6-dinitrotoluene	6150	U
99-09-2	3-nitroaniline	6150	U
83-32-9	acenaphthene	6150	U
51-28-5	2,4-dinitrophenol	12300	U
132-64-9	dibenzofuran	6150	U
100-02-7	4-nitrophenol	6150	U
84-66-2	diethylphthalate	6150	U
7005-72-3	4-chlorophenylphenylether	6150	U
86-73-7	fluorene	6150	U
100-01-6	4-nitroaniline	6150	U
534-52-1	4,6-dinitro-2-methylphenol	6150	U
86-30-6	N-nitroso-diphenylamine	6150	U
101-55-3	4-bromophenylphenylether	6150	U
85-01-8	phenanthrene	6150	U
120-12-7	anthracene	6150	U
84-74-2	di-n-butylphthalate	6150	U
206-44-0	fluoranthene	6150	U
129-00-0	pyrene	6150	U
85-68-7	butylbenzylphthalate	6150	U
91-94-1	3,3'-dichlorobenzidine	30700	U
56-55-3	benzo(a)anthracene	6150	U
218-01-9	chrysene	6150	U
117-81-7	bis(2-ethylhexyl)phthalate	6150	U
117-84-0	di-n-octylphthalate	6150	U
205-99-2	benzo(b)fluoranthene	6150	U
207-08-9	benzo(k)fluoranthene	6150	U
50-32-8	benzo(a)pyrene	6150	U
193-39-5	indeno(1,2,3-cd)pyrene	6150	U
53-70-3	dibenz(a,h)anthracene	6150	U
191-24-2	benzo(g,h,i)perylene	6150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H309

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	6150	U
123-91-1	1,4-dioxane	6150	U
80-62-6	methyl methacrylate	6150	U
97-63-2	ethyl methacrylate	6150	U
109-06-8	2-picoline	6150	U
10595-95-6	n-nitrosomethylethylamine	6150	U
66-27-3	methyl methanesulfonate	6150	U
55-18-5	n-nitrosodiethylamine	6150	U
62-50-0	ethyl methanesulfonate	6150	U
76-01-7	pentachloroethane	6150	U
930-55-2	n-nitrosopyrrolidine	6150	U
59-89-2	n-nitrosomorpholine	6150	U
95-53-4	o-toluidine	6150	U
100-75-4	n-nitrosopiperdine	6150	U
122-09-8	a,a-dimethylphenethylamine	6150	U
126-68-1	triethylphosphorothioate	6150	U
87-65-0	2,6-dichlorophenol	6150	U
1888-71-7	hexachloropropene	6150	U
106-50-3	p-phenylenediamine	12300	U
924-16-3	n-nitroso-di-n-butylamine	6150	U
94-59-7	safrole	6150	U
634-90-2	1,2,4,5-tetrachlorobenzene	6150	U
120-58-1	isosafrole	6150	U
130-15-4	1,4-naphthoquinone	6150	U
99-65-0	m-dinitrobenzene	6150	U
608-93-5	pentachlorobenzene	6150	U
134-32-7	1-naphthylamine	6150	U
91-59-8	2-naphthylamine	6150	U
58-90-2	2,3,4,6-tetrachlorophenol	6150	U
99-55-8	5-nitro-o-toluidine	6150	U
297-97-2	thionazine	6150	U
122-39-4	diphenylamine	6150	U
3689-24-5	sulfotepp	6150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 3H309

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 47 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	30700	U
62-44-2	phenacetin	6150	U
2303-16-4	diallate	6150	U
60-51-5	dimethoate	30700	U
92-67-1	4-aminobiphenyl	6150	U
82-68-8	pentachloronitrobenzene	6150	U
23950-58-5	pronamide	6150	U
88-85-7	dinoseb	6150	U
298-04-4	disulfoton	6150	U
56-57-5	4-nitroquinoline-1-oxide	6150	U
135-23-9	methapyrilene	30700	U
465-73-6	isodrin	6150	U
140-57-8	aramite	6150	U
143-50-0	kepone	6150	U
60-11-7	p-(dimethylamino)azobenzene	6150	U
510-15-6	chlorobenzilate	30700	U
119-93-7	3,3'-dimethylbenzidine	30700	U
52-85-7	famphur	6150	U
53-96-3	2-acetylaminofluorene	6150	U
57-97-6	7,12-dimethylbenz(a)anthracene	6150	U
59-49-5	3-methylcholanthrene	6150	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H213

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2150	U
95-48-7	2-methylphenol	2150	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	2150	U
67-72-1	hexachloroethane	2150	U
98-95-3	nitrobenzene	2150	U
87-68-3	hexachlorobutadiene	2150	U
88-06-2	2,4,6-trichlorophenol	2150	U
95-95-4	2,4,5-trichlorophenol	2150	U
121-14-2	2,4-dinitrotoluene	2150	U
118-74-1	hexachlorobenzene	2150	U
87-86-5	pentachlorophenol	2150	U
62-53-3	aniline	2150	U
108-95-2	phenol	2150	U
111-44-4	bis(2-chloroethyl)ether	2150	U
95-57-8	2-chlorophenol	2150	U
541-73-1	1,3-dichlorobenzene	2150	U
106-46-7	1,4-dichlorobenzene	2150	U
100-51-6	benzyl alcohol	2150	U
95-50-1	1,2-dichlorobenzene	2150	U
98-86-2	acetophenone	2150	U
621-64-7	N-nitroso-di-n-propylamine	2150	U
78-59-1	isophorone	2150	U
88-75-5	2-nitrophenol	2150	U
105-67-9	2,4-dimethylphenol	2150	U
111-91-1	bis(2-chloroethoxy)methane	2150	U
120-83-2	2,4-dichlorophenol	2150	U
120-82-1	1,2,4-trichlorobenzene	2150	U
91-20-3	naphthalene	2150	U
106-47-8	4-chloroaniline	2150	U
59-50-7	4-chloro-3-methylphenol	2150	U
91-57-6	2-methylnaphthalene	2150	U
77-47-4	hexachlorocyclopentadiene	2150	U
91-58-7	2-chloronaphthalene	2150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H213

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2150	U
131-11-3	dimethylphthalate	2150	U
209-96-8	acenaphthylene	2150	U
606-20-2	2,6-dinitrotoluene	2150	U
99-09-2	3-nitroaniline	2150	U
83-32-9	acenaphthene	2150	U
51-28-5	2,4-dinitrophenol	4290	U
132-64-9	dibenzofuran	2150	U
100-02-7	4-nitrophenol	2150	U
84-66-2	diethylphthalate	2150	U
7005-72-3	4-chlorophenylphenylether	2150	U
86-73-7	fluorene	2150	U
100-01-6	4-nitroaniline	2150	U
534-52-1	4,6-dinitro-2-methylphenol	2150	U
86-30-6	N-nitroso-diphenylamine	2150	U
101-55-3	4-bromophenylphenylether	2150	U
85-01-8	phenanthrene	2150	U
120-12-7	anthracene	2150	U
84-74-2	di-n-butylphthalate	2150	U
206-44-0	fluoranthene	2150	U
129-00-0	pyrene	2150	U
85-68-7	butylbenzylphthalate	2150	U
91-94-1	3,3'-dichlorobenzidine	10700	U
56-55-3	benzo(a)anthracene	2150	U
218-01-9	chrysene	2150	U
117-81-7	bis(2-ethylhexyl)phthalate	2150	U
117-84-0	di-n-octylphthalate	2150	U
205-99-2	benzo(b)fluoranthene	2150	U
207-08-9	benzo(k)fluoranthene	2150	U
50-32-8	benzo(a)pyrene	2150	U
193-39-5	indeno(1,2,3-cd)pyrene	2150	U
53-70-3	dibenz(a,h)anthracene	2150	U
191-24-2	benzo(g,h,i)perylene	2150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H213

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	2150	U
123-91-1	1,4-dioxane	2150	U
80-62-6	methyl methacrylate	2150	U
97-63-2	ethyl methacrylate	2150	U
109-06-8	2-picoline	2150	U
10595-95-6	n-nitrosomethylethylamine	2150	U
66-27-3	methyl methanesulfonate	2150	U
55-18-5	n-nitrosodiethylamine	2150	U
62-50-0	ethyl methanesulfonate	2150	U
76-01-7	pentachloroethane	2150	U
930-55-2	n-nitrosopyrrolidine	2150	U
59-89-2	n-nitrosomorpholine	2150	U
95-53-4	o-toluidine	2150	U
100-75-4	n-nitrosopiperdine	2150	U
122-09-8	a,a-dimethylphenethylamine	2150	U
126-68-1	triethylphosphorothioate	2150	U
87-65-0	2,6-dichlorophenol	2150	U
1888-71-7	hexachloropropene	2150	U
106-50-3	p-phenylenediamine	4290	U
924-16-3	n-nitroso-di-n-butylamine	2150	U
94-59-7	safrole	2150	U
634-90-2	1,2,4,5-tetrachlorobenzene	2150	U
120-58-1	isosafrole	2150	U
130-15-4	1,4-naphthoquinone	2150	U
99-65-0	m-dinitrobenzene	2150	U
608-93-5	pentachlorobenzene	2150	U
134-32-7	1-naphthylamine	2150	U
91-59-8	2-naphthylamine	2150	U
58-90-2	2,3,4,6-tetrachlorophenol	2150	U
99-55-8	5-nitro-o-toluidine	2150	U
297-97-2	thionazine	2150	U
122-39-4	diphenylamine	2150	U
3689-24-5	sulfotepp	2150	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H213

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	10700	U
62-44-2	phenacetin	2150	U
2303-16-4	diallate	2150	U
60-51-5	dimethoate	10700	U
92-67-1	4-aminobiphenyl	2150	U
82-68-8	pentachloronitrobenzene	2150	U
23950-58-5	pronamide	2150	U
88-85-7	dinoseb	2150	U
298-04-4	disulfoton	2150	U
56-57-5	4-nitroquinoline-1-oxide	2150	U
135-23-9	methapyrilene	10700	U
465-73-6	isodrin	2150	U
140-57-8	aramite	2150	U
143-50-0	kepone	2150	U
60-11-7	p-(dimethylamino)azobenzene	2150	U
510-15-6	chlorobenzilate	10700	U
119-93-7	3,3'-dimethylbenzidine	10700	U
52-85-7	famphur	2150	U
53-96-3	2-acetylaminofluorene	2150	U
57-97-6	7,12-dimethylbenz(a)anthracene	2150	U
59-49-5	3-methylcholanthrene	2150	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H310

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	5370	U
95-48-7	2-methylphenol	5370	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	5370	U
67-72-1	hexachloroethane	5370	U
98-95-3	nitrobenzene	5370	U
87-68-3	hexachlorobutadiene	5370	U
88-06-2	2,4,6-trichlorophenol	5370	U
95-95-4	2,4,5-trichlorophenol	5370	U
121-14-2	2,4-dinitrotoluene	5370	U
118-74-1	hexachlorobenzene	5370	U
87-86-5	pentachlorophenol	5370	U
62-53-3	aniline	5370	U
108-95-2	phenol	5370	U
111-44-4	bis(2-chloroethyl)ether	5370	U
95-57-8	2-chlorophenol	5370	U
541-73-1	1,3-dichlorobenzene	5370	U
106-46-7	1,4-dichlorobenzene	5370	U
100-51-6	benzyl alcohol	5370	U
95-50-1	1,2-dichlorobenzene	5370	U
98-86-2	acetophenone	5370	U
621-64-7	N-nitroso-di-n-propylamine	5370	U
78-59-1	isophorone	5370	U
88-75-5	2-nitrophenol	5370	U
105-67-9	2,4-dimethylphenol	5370	U
111-91-1	bis(2-chloroethoxy)methane	5370	U
120-83-2	2,4-dichlorophenol	5370	U
120-82-1	1,2,4-trichlorobenzene	5370	U
91-20-3	naphthalene	5370	U
106-47-8	4-chloroaniline	5370	U
59-50-7	4-chloro-3-methylphenol	5370	U
91-57-6	2-methylnaphthalene	5370	U
77-47-4	hexachlorocyclopentadiene	5370	U
91-58-7	2-chloronaphthalene	5370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H310

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	5370	U
131-11-3	dimethylphthalate	5370	U
209-96-8	acenaphthylene	5370	U
606-20-2	2,6-dinitrotoluene	5370	U
99-09-2	3-nitroaniline	5370	U
83-32-9	acenaphthene	5370	U
51-28-5	2,4-dinitrophenol	10700	U
132-64-9	dibenzofuran	5370	U
100-02-7	4-nitrophenol	5370	U
84-66-2	diethylphthalate	5370	U
7005-72-3	4-chlorophenylphenylether	5370	U
86-73-7	fluorene	5370	U
100-01-6	4-nitroaniline	5370	U
534-52-1	4,6-dinitro-2-methylphenol	5370	U
86-30-6	N-nitroso-diphenylamine	5370	U
101-55-3	4-bromophenylphenylether	5370	U
85-01-8	phenanthrene	5370	U
120-12-7	anthracene	5370	U
84-74-2	di-n-butylphthalate	5370	U
206-44-0	fluoranthene	5370	U
129-00-0	pyrene	5370	U
85-68-7	butylbenzylphthalate	5370	U
91-94-1	3,3'-dichlorobenzidine	26800	U
56-55-3	benzo(a)anthracene	5370	U
218-01-9	chrysene	5370	U
117-81-7	bis(2-ethylhexyl)phthalate	5370	U
117-84-0	di-n-octylphthalate	5370	U
205-99-2	benzo(b)fluoranthene	5370	U
207-08-9	benzo(k)fluoranthene	5370	U
50-32-8	benzo(a)pyrene	5370	U
193-39-5	indeno(1,2,3-cd)pyrene	5370	U
53-70-3	dibenz(a,h)anthracene	5370	U
191-24-2	benzo(g,h,i)perylene	5370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL2

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H310

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	5370	U
123-91-1	1,4-dioxane	5370	U
80-62-6	methyl methacrylate	5370	U
97-63-2	ethyl methacrylate	5370	U
109-06-8	2-picoline	5370	U
10595-95-6	n-nitrosomethylethylamine	5370	U
66-27-3	methyl methanesulfonate	5370	U
55-18-5	n-nitrosodiethylamine	5370	U
62-50-0	ethyl methanesulfonate	5370	U
76-01-7	pentachloroethane	5370	U
930-55-2	n-nitrosopyrrolidine	5370	U
59-89-2	n-nitrosomorpholine	5370	U
95-53-4	o-toluidine	5370	U
100-75-4	n-nitrosopiperdine	5370	U
122-09-8	a,a-dimethylphenethylamine	5370	U
126-68-1	triethylphosphorothioate	5370	U
87-65-0	2,6-dichlorophenol	5370	U
1888-71-7	hexachloropropene	5370	U
106-50-3	p-phenylenediamine	10700	U
924-16-3	n-nitroso-di-n-butylamine	5370	U
94-59-7	safrole	5370	U
634-90-2	1,2,4,5-tetrachlorobenzene	5370	U
120-58-1	isosafrole	5370	U
130-15-4	1,4-naphthoquinone	5370	U
99-65-0	m-dinitrobenzene	5370	U
608-93-5	pentachlorobenzene	5370	U
134-32-7	1-naphthylamine	5370	U
91-59-8	2-naphthylamine	5370	U
58-90-2	2,3,4,6-tetrachlorophenol	5370	U
99-55-8	5-nitro-o-toluidine	5370	U
297-97-2	thionazine	5370	U
122-39-4	diphenylamine	5370	U
3689-24-5	sulfotepp	5370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01DL2

ıb Name: GENERAL ENGINEERING LABOR Contract:

. .b Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 3H310

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	26800	U
62-44-2	phenacetin	5370	U
2303-16-4	diallate	5370	U
60-51-5	dimethoate	26800	U
92-67-1	4-aminobiphenyl	5370	U
82-68-8	pentachloronitrobenzene	5370	U
23950-58-5	pronamide	5370	U
88-85-7	dinoseb	5370	U
298-04-4	disulfoton	5370	U
56-57-5	4-nitroquinoline-1-oxide	5370	U
135-23-9	methapyrilene	26800	U
465-73-6	isodrin	5370	U
140-57-8	aramite	5370	U
143-50-0	kepone	5370	U
60-11-7	p-(dimethylamino)azobenzene	5370	U
510-15-6	chlorobenzilate	26800	U
119-93-7	3,3'-dimethylbenzidine	26800	U
52-85-7	famphur	5370	U
53-96-3	2-acetylaminofluorene	5370	U
57-97-6	7,12-dimethylbenz(a)anthracene	5370	U
59-49-5	3-methylcholanthrene	5370	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1G507

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 62 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	870	U
95-48-7	2-methylphenol	870	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	870	U
67-72-1	hexachloroethane	870	U
98-95-3	nitrobenzene	870	U
87-68-3	hexachlorobutadiene	870	U
88-06-2	2,4,6-trichlorophenol	870	U
95-95-4	2,4,5-trichlorophenol	870	U
121-14-2	2,4-dinitrotoluene	870	U
118-74-1	hexachlorobenzene	870	U
87-86-5	pentachlorophenol	870	U
62-53-3	aniline	870	U
108-95-2	phenol	870	U
111-44-4	bis(2-chloroethyl)ether	870	U
95-57-8	2-chlorophenol	870	U
541-73-1	1,3-dichlorobenzene	870	U
106-46-7	1,4-dichlorobenzene	870	U
100-51-6	benzyl alcohol	870	U
95-50-1	1,2-dichlorobenzene	870	U
98-86-2	acetophenone	870	U
621-64-7	N-nitroso-di-n-propylamine	870	U
78-59-1	isophorone	870	U
88-75-5	2-nitrophenol	870	U
105-67-9	2,4-dimethylphenol	870	U
111-91-1	bis(2-chloroethoxy)methane	870	U
120-83-2	2,4-dichlorophenol	870	U
120-82-1	1,2,4-trichlorobenzene	870	U
91-20-3	naphthalene	870	U
106-47-8	4-chloroaniline	870	U
59-50-7	4-chloro-3-methylphenol	870	U
91-57-6	2-methylnaphthalene	870	U
77-47-4	hexachlorocyclopentadiene	870	U
91-58-7	2-chloronaphthalene	870	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1G507

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 62 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	870	U
131-11-3	dimethylphthalate	870	U
209-96-8	acenaphthylene	870	U
606-20-2	2,6-dinitrotoluene	870	U
99-09-2	3-nitroaniline	870	U
83-32-9	acenaphthene	870	U
51-28-5	2,4-dinitrophenol	1740	U
132-64-9	dibenzofuran	870	U
100-02-7	4-nitrophenol	870	U
84-66-2	diethylphthalate	870	U
7005-72-3	4-chlorophenylphenylether	870	U
86-73-7	fluorene	870	U
100-01-6	4-nitroaniline	870	U
534-52-1	4,6-dinitro-2-methylphenol	870	U
86-30-6	N-nitroso-diphenylamine	870	U
101-55-3	4-bromophenylphenylether	870	U
85-01-8	phenanthrene	870	U
120-12-7	anthracene	870	U
84-74-2	di-n-butylphthalate	870	U
206-44-0	fluoranthene	870	U
129-00-0	pyrene	870	U
85-68-7	butylbenzylphthalate	870	U
91-94-1	3,3'-dichlorobenzidine	4350	U
56-55-3	benzo(a)anthracene	870	U
218-01-9	chrysene	870	U
117-81-7	bis(2-ethylhexyl)phthalate	870	U
117-84-0	di-n-octylphthalate	870	U
205-99-2	benzo(b)fluoranthene	870	U
207-08-9	benzo(k)fluoranthene	870	U
50-32-8	benzo(a)pyrene	870	U
193-39-5	indeno(1,2,3-cd)pyrene	870	U
53-70-3	dibenz(a,h)anthracene	870	U
191-24-2	benzo(g,h,i)perylene	870	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

ıb Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1G507

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 62 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	870	U
123-91-1	1,4-dioxane	870	U
80-62-6	methyl methacrylate	870	U
97-63-2	ethyl methacrylate	870	U
109-06-8	2-picoline	870	U
10595-95-6	n-nitrosomethylethylamine	870	U
66-27-3	methyl methanesulfonate	870	U
55-18-5	n-nitrosodiethylamine	870	U
62-50-0	ethyl methanesulfonate	870	U
76-01-7	pentachloroethane	870	U
930-55-2	n-nitrosopyrrolidine	870	U
59-89-2	n-nitrosomorpholine	870	U
95-53-4	o-toluidine	870	U
100-75-4	n-nitrosopiperdine	870	U
122-09-8	a,a-dimethylphenethylamine	870	U
126-68-1	triethylphosphorothioate	870	U
87-65-0	2,6-dichlorophenol	870	U
1888-71-7	hexachloropropene	870	U
106-50-3	p-phenylenediamine	1740	U
924-16-3	n-nitroso-di-n-butylamine	870	U
94-59-7	safrole	870	U
634-90-2	1,2,4,5-tetrachlorobenzene	870	U
120-58-1	isosafrole	870	U
130-15-4	1,4-naphthoquinone	870	U
99-65-0	m-dinitrobenzene	870	U
608-93-5	pentachlorobenzene	870	U
134-32-7	1-naphthylamine	870	U
91-59-8	2-naphthylamine	870	U
58-90-2	2,3,4,6-tetrachlorophenol	870	U
99-55-8	5-nitro-o-toluidine	870	U
297-97-2	thionazine	870	U
122-39-4	diphenylamine	870	U
3689-24-5	sulfotepp	870	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1G507

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 62 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	4350	U
62-44-2	phenacetin	870	U
2303-16-4	diallate	870	U
60-51-5	dimethoate	4350	U
92-67-1	4-aminobiphenyl	870	U
82-68-8	pentachloronitrobenzene	870	U
23950-58-5	pronamide	870	U
88-85-7	dinoseb	870	U
298-04-4	disulfoton	870	U
56-57-5	4-nitroquinoline-1-oxide	870	U
135-23-9	methapyrilene	4350	U
465-73-6	isodrin	870	U
140-57-8	aramite	870	U
143-50-0	kepone	870	U
60-11-7	p-(dimethylamino)azobenzene	870	U
510-15-6	chlorobenzilate	4350	U
119-93-7	3,3'-dimethylbenzidine	4350	U
52-85-7	famphur	870	U
53-96-3	2-acetylaminofluorene	870	U
57-97-6	7,12-dimethylbenz(a)anthracene	870	U
59-49-5	3-methylcholanthrene	870	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G508

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 75 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1330	U
95-48-7	2-methylphenol	1330	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1330	U
67-72-1	hexachloroethane	1330	U
98-95-3	nitrobenzene	1330	U
87-68-3	hexachlorobutadiene	1330	U
88-06-2	2,4,6-trichlorophenol	1330	U
95-95-4	2,4,5-trichlorophenol	1330	U
121-14-2	2,4-dinitrotoluene	1330	U
118-74-1	hexachlorobenzene	1330	U
87-86-5	pentachlorophenol	1330	U
62-53-3	aniline	1330	U
108-95-2	phenol	1330	U
111-44-4	bis(2-chloroethyl)ether	1330	U
95-57-8	2-chlorophenol	1330	U
541-73-1	1,3-dichlorobenzene	1330	U
106-46-7	1,4-dichlorobenzene	1330	U
100-51-6	benzyl alcohol	1330	U
95-50-1	1,2-dichlorobenzene	1330	U
98-86-2	acetophenone	1330	U
621-64-7	N-nitroso-di-n-propylamine	1330	U
78-59-1	isophorone	1330	U
88-75-5	2-nitrophenol	1330	U
105-67-9	2,4-dimethylphenol	1330	U
111-91-1	bis(2-chloroethoxy)methane	1330	U
120-83-2	2,4-dichlorophenol	1330	U
120-82-1	1,2,4-trichlorobenzene	1330	U
91-20-3	naphthalene	1330	U
106-47-8	4-chloroaniline	1330	U
59-50-7	4-chloro-3-methylphenol	1330	U
91-57-6	2-methylnaphthalene	1330	U
77-47-4	hexachlorocyclopentadiene	1330	U
91-58-7	2-chloronaphthalene	1330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G508

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 75 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1330	U
131-11-3	dimethylphthalate	1330	U
209-96-8	acenaphthylene	1330	U
606-20-2	2,6-dinitrotoluene	1330	U
99-09-2	3-nitroaniline	1330	U
83-32-9	acenaphthene	1330	U
51-28-5	2,4-dinitrophenol	2660	U
132-64-9	dibenzofuran	1330	U
100-02-7	4-nitrophenol	1330	U
84-66-2	diethylphthalate	1330	U
7005-72-3	4-chlorophenylphenylether	1330	U
86-73-7	fluorene	1330	U
100-01-6	4-nitroaniline	1330	U
534-52-1	4,6-dinitro-2-methylphenol	1330	U
86-30-6	N-nitroso-diphenylamine	1330	U
101-55-3	4-bromophenylphenylether	1330	U
85-01-8	phenanthrene	1330	U
120-12-7	anthracene	1330	U
84-74-2	di-n-butylphthalate	1330	U
206-44-0	fluoranthene	1330	U
129-00-0	pyrene	1330	U
85-68-7	butylbenzylphthalate	1330	U
91-94-1	3,3'-dichlorobenzidine	6640	U
56-55-3	benzo(a)anthracene	1330	U
218-01-9	chrysene	1330	U
117-81-7	bis(2-ethylhexyl)phthalate	1330	U
117-84-0	di-n-octylphthalate	1330	U
205-99-2	benzo(b)fluoranthene	1330	U
207-08-9	benzo(k)fluoranthene	1330	U
50-32-8	benzo(a)pyrene	1330	U
193-39-5	indeno(1,2,3-cd)pyrene	1330	U
53-70-3	dibenz(a,h)anthracene	1330	U
191-24-2	benzo(g,h,i)perylene	1330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G508

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 75 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1330	U
123-91-1	1,4-dioxane	1330	U
80-62-6	methyl methacrylate	1330	U
97-63-2	ethyl methacrylate	1330	U
109-06-8	2-picoline	1330	U
10595-95-6	n-nitrosomethylethylamine	1330	U
66-27-3	methyl methanesulfonate	1330	U
55-18-5	n-nitrosodiethylamine	1330	U
62-50-0	ethyl methanesulfonate	1330	U
76-01-7	pentachloroethane	1330	U
930-55-2	n-nitrosopyrrolidine	1330	U
59-89-2	n-nitrosomorpholine	1330	U
95-53-4	o-toluidine	1330	U
100-75-4	n-nitrosopiperdine	1330	U
122-09-8	a,a-dimethylphenethylamine	1330	U
126-68-1	triethylphosphorothioate	1330	U
87-65-0	2,6-dichlorophenol	1330	U
1888-71-7	hexachloropropene	1330	U
106-50-3	p-phenylenediamine	2660	U
924-16-3	n-nitroso-di-n-butylamine	1330	U
94-59-7	safrole	1330	U
634-90-2	1,2,4,5-tetrachlorobenzene	1330	U
120-58-1	isosafrole	1330	U
130-15-4	1,4-naphthoquinone	1330	U
99-65-0	m-dinitrobenzene	1330	U
608-93-5	pentachlorobenzene	1330	U
134-32-7	1-naphthylamine	1330	U
91-59-8	2-naphthylamine	1330	U
58-90-2	2,3,4,6-tetrachlorophenol	1330	U
99-55-8	5-nitro-o-toluidine	1330	U
297-97-2	thionazine	1330	U
122-39-4	diphenylamine	1330	U
3689-24-5	sulfotepp	1330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

ıb Name: GENERAL ENGINEERING LABOR Contract:

ıb Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G508

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 75 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	6640	U
62-44-2	phenacetin	1330	U
2303-16-4	diallate	1330	U
60-51-5	dimethoate	6640	U
92-67-1	4-aminobiphenyl	1330	U
82-68-8	pentachloronitrobenzene	1330	U
23950-58-5	pronamide	1330	U
88-85-7	dinoseb	1330	U
298-04-4	disulfoton	1330	U
56-57-5	4-nitroquinoline-1-oxide	1330	U
135-23-9	methapyrilene	6640	U
465-73-6	isodrin	1330	U
140-57-8	aramite	1330	U
143-50-0	kepone	1330	U
60-11-7	p-(dimethylamino)azobenzene	1330	U
510-15-6	chlorobenzilate	6640	U
119-93-7	3,3'-dimethylbenzidine	6640	U
52-85-7	famphur	1330	U
53-96-3	2-acetylaminofluorene	1330	U
57-97-6	7,12-dimethylbenz(a)anthracene	1330	U
59-49-5	3-methylcholanthrene	1330	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 3H207

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: 90 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	3230	U
95-48-7	2-methylphenol	3230	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	3230	U
67-72-1	hexachloroethane	3230	U
98-95-3	nitrobenzene	3230	U
87-68-3	hexachlorobutadiene	3230	U
88-06-2	2,4,6-trichlorophenol	3230	U
95-95-4	2,4,5-trichlorophenol	3230	U
121-14-2	2,4-dinitrotoluene	3230	U
118-74-1	hexachlorobenzene	3230	U
87-86-5	pentachlorophenol	3230	U
62-53-3	aniline	3230	U
108-95-2	phenol	3230	U
111-44-4	bis(2-chloroethyl)ether	3230	U
95-57-8	2-chlorophenol	3230	U
541-73-1	1,3-dichlorobenzene	3230	U
106-46-7	1,4-dichlorobenzene	3230	U
100-51-6	benzyl alcohol	3230	U
95-50-1	1,2-dichlorobenzene	3230	U
98-86-2	acetophenone	3230	U
621-64-7	N-nitroso-di-n-propylamine	3230	U
78-59-1	isophorone	3230	U
88-75-5	2-nitrophenol	3230	U
105-67-9	2,4-dimethylphenol	3230	U
111-91-1	bis(2-chloroethoxy)methane	3230	U
120-83-2	2,4-dichlorophenol	3230	U
120-82-1	1,2,4-trichlorobenzene	3230	U
91-20-3	naphthalene	3230	U
106-47-8	4-chloroaniline	3230	U
59-50-7	4-chloro-3-methylphenol	3230	U
91-57-6	2-methylnaphthalene	3230	U
77-47-4	hexachlorocyclopentadiene	3230	U
91-58-7	2-chloronaphthalene	3230	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 3H207

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: 90 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	3230	U
131-11-3	dimethylphthalate	3230	U
209-96-8	acenaphthylene	3230	U
606-20-2	2,6-dinitrotoluene	3230	U
99-09-2	3-nitroaniline	3230	U
83-32-9	acenaphthene	3230	U
51-28-5	2,4-dinitrophenol	6460	U
132-64-9	dibenzofuran	3230	U
100-02-7	4-nitrophenol	3230	U
84-66-2	diethylphthalate	3230	U
7005-72-3	4-chlorophenylphenylether	3230	U
86-73-7	fluorene	3230	U
100-01-6	4-nitroaniline	3230	U
534-52-1	4,6-dinitro-2-methylphenol	3230	U
86-30-6	N-nitroso-diphenylamine	3230	U
101-55-3	4-bromophenylphenylether	3230	U
85-01-8	phenanthrene	3230	U
120-12-7	anthracene	3230	U
84-74-2	di-n-butylphthalate	3230	U
206-44-0	fluoranthene	3230	U
129-00-0	pyrene	3230	U
85-68-7	butylbenzylphthalate	3230	U
91-94-1	3,3'-dichlorobenzidine	16200	U
56-55-3	benzo(a)anthracene	3230	U
218-01-9	chrysene	3230	U
117-81-7	bis(2-ethylhexyl)phthalate	3230	U
117-84-0	di-n-octylphthalate	3230	U
205-99-2	benzo(b)fluoranthene	3230	U
207-08-9	benzo(k)fluoranthene	3230	U
50-32-8	benzo(a)pyrene	3230	U
193-39-5	indeno(1,2,3-cd)pyrene	3230	U
53-70-3	dibenz(a,h)anthracene	3230	U
191-24-2	benzo(g,h,i)perylene	3230	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 3H207

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: 90 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	3230	U
123-91-1	1,4-dioxane	3230	U
80-62-6	methyl methacrylate	3230	U
97-63-2	ethyl methacrylate	3230	U
109-06-8	2-picoline	3230	U
10595-95-6	n-nitrosomethylethylamine	3230	U
66-27-3	methyl methanesulfonate	3230	U
55-18-5	n-nitrosodiethylamine	3230	U
62-50-0	ethyl methanesulfonate	3230	U
76-01-7	pentachloroethane	3230	U
930-55-2	n-nitrosopyrrolidine	3230	U
59-89-2	n-nitrosomorpholine	3230	U
95-53-4	o-toluidine	3230	U
100-75-4	n-nitrosopiperdine	3230	U
122-09-8	a,a-dimethylphenethylamine	3230	U
126-68-1	triethylphosphorothioate	3230	U
87-65-0	2,6-dichlorophenol	3230	U
1888-71-7	hexachloropropene	3230	U
106-50-3	p-phenylenediamine	6460	U
924-16-3	n-nitroso-di-n-butylamine	3230	U
94-59-7	safrole	3230	U
634-90-2	1,2,4,5-tetrachlorobenzene	3230	U
120-58-1	isosafrole	3230	U
130-15-4	1,4-naphthoquinone	3230	U
99-65-0	m-dinitrobenzene	3230	U
608-93-5	pentachlorobenzene	3230	U
134-32-7	1-naphthylamine	3230	U
91-59-8	2-naphthylamine	3230	U
58-90-2	2,3,4,6-tetrachlorophenol	3230	U
99-55-8	5-nitro-o-toluidine	3230	U
297-97-2	thionazine	3230	U
122-39-4	diphenylamine	3230	U
3689-24-5	sulfotepp	3230	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 3H207

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: 90 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	16200	U
62-44-2	phenacetin	3230	U
2303-16-4	diallate	3230	U
60-51-5	dimethoate	16200	U
92-67-1	4-aminobiphenyl	3230	U
82-68-8	pentachloronitrobenzene	3230	U
23950-58-5	pronamide	3230	U
88-85-7	dinoseb	3230	U
298-04-4	disulfoton	3230	U
56-57-5	4-nitroquinoline-1-oxide	3230	U
135-23-9	methapyrilene	16200	U
465-73-6	isodrin	3230	U
140-57-8	aramite	3230	U
143-50-0	kepone	3230	U
60-11-7	p-(dimethylamino)azobenzene	3230	U
510-15-6	chlorobenzilate	16200	U
119-93-7	3,3'-dimethylbenzidine	16200	U
52-85-7	famphur	3230	U
53-96-3	2-acetylaminofluorene	3230	U
57-97-6	7,12-dimethylbenz(a)anthracene	3230	U
59-49-5	3-methylcholanthrene	3230	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G509

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1040	U
95-48-7	2-methylphenol	1040	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1040	U
67-72-1	hexachloroethane	1040	U
98-95-3	nitrobenzene	1040	U
87-68-3	hexachlorobutadiene	1040	U
88-06-2	2,4,6-trichlorophenol	1040	U
95-95-4	2,4,5-trichlorophenol	1040	U
121-14-2	2,4-dinitrotoluene	1040	U
118-74-1	hexachlorobenzene	1040	U
87-86-5	pentachlorophenol	1040	U
62-53-3	aniline	1040	U
108-95-2	phenol	1040	U
111-44-4	bis(2-chloroethyl)ether	1040	U
95-57-8	2-chlorophenol	1040	U
541-73-1	1,3-dichlorobenzene	1040	U
106-46-7	1,4-dichlorobenzene	1040	U
100-51-6	benzyl alcohol	1040	U
95-50-1	1,2-dichlorobenzene	1040	U
98-86-2	acetophenone	1040	U
621-64-7	N-nitroso-di-n-propylamine	1040	U
78-59-1	isophorone	1040	U
88-75-5	2-nitrophenol	1040	U
105-67-9	2,4-dimethylphenol	1040	U
111-91-1	bis(2-chloroethoxy)methane	1040	U
120-83-2	2,4-dichlorophenol	1040	U
120-82-1	1,2,4-trichlorobenzene	1040	U
91-20-3	naphthalene	1040	U
106-47-8	4-chloroaniline	1040	U
59-50-7	4-chloro-3-methylphenol	1040	U
91-57-6	2-methylnaphthalene	1040	U
77-47-4	hexachlorocyclopentadiene	1040	U
91-58-7	2-chloronaphthalene	1040	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G509

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1040	U
131-11-3	dimethylphthalate	1040	U
209-96-8	acenaphthylene	1040	U
606-20-2	2,6-dinitrotoluene	1040	U
99-09-2	3-nitroaniline	1040	U
83-32-9	acenaphthene	1040	U
51-28-5	2,4-dinitrophenol	2080	U
132-64-9	dibenzofuran	1040	U
100-02-7	4-nitrophenol	1040	U
84-66-2	diethylphthalate	1040	U
7005-72-3	4-chlorophenylphenylether	1040	U
86-73-7	fluorene	1040	U
100-01-6	4-nitroaniline	1040	U
534-52-1	4,6-dinitro-2-methylphenol	1040	U
86-30-6	N-nitroso-diphenylamine	1040	U
101-55-3	4-bromophenylphenylether	1040	U
85-01-8	phenanthrene	1040	U
120-12-7	anthracene	1040	U
84-74-2	di-n-butylphthalate	1040	U
206-44-0	fluoranthene	1040	U
129-00-0	pyrene	1040	U
85-68-7	butylbenzylphthalate	1040	U
91-94-1	3,3'-dichlorobenzidine	5200	U
56-55-3	benzo(a)anthracene	1040	U
218-01-9	chrysene	1040	U
117-81-7	bis(2-ethylhexyl)phthalate	1040	U
117-84-0	di-n-octylphthalate	1040	U
205-99-2	benzo(b)fluoranthene	1040	U
207-08-9	benzo(k)fluoranthene	1040	U
50-32-8	benzo(a)pyrene	1040	U
193-39-5	indeno(1,2,3-cd)pyrene	1040	U
53-70-3	dibenz(a,h)anthracene	1040	U
191-24-2	benzo(g,h,i)perylene	1040	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G509

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1040	U
123-91-1	1,4-dioxane	1040	U
80-62-6	methyl methacrylate	1040	U
97-63-2	ethyl methacrylate	1040	U
109-06-8	2-picoline	1040	U
10595-95-6	n-nitrosomethylethylamine	1040	U
66-27-3	methyl methanesulfonate	1040	U
55-18-5	n-nitrosodiethylamine	1040	U
62-50-0	ethyl methanesulfonate	1040	U
76-01-7	pentachloroethane	1040	U
930-55-2	n-nitrosopyrrolidine	1040	U
59-89-2	n-nitrosomorpholine	1040	U
95-53-4	o-toluidine	1040	U
100-75-4	n-nitrosopiperdine	1040	U
122-09-8	a,a-dimethylphenethylamine	1040	U
126-68-1	triethylphosphorothioate	1040	U
87-65-0	2,6-dichlorophenol	1040	U
1888-71-7	hexachloropropene	1040	U
106-50-3	p-phenylenediamine	2080	U
924-16-3	n-nitroso-di-n-butylamine	1040	U
94-59-7	safrole	1040	U
634-90-2	1,2,4,5-tetrachlorobenzene	1040	U
120-58-1	isosafrole	1040	U
130-15-4	1,4-naphthoquinone	1040	U
99-65-0	m-dinitrobenzene	1040	U
608-93-5	pentachlorobenzene	1040	U
134-32-7	1-naphthylamine	1040	U
91-59-8	2-naphthylamine	1040	U
58-90-2	2,3,4,6-tetrachlorophenol	1040	U
99-55-8	5-nitro-o-toluidine	1040	U
297-97-2	thionazine	1040	U
122-39-4	diphenylamine	1040	U
3689-24-5	sulfotepp	1040	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G509

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5200	U
62-44-2	phenacetin	1040	U
2303-16-4	diallate	1040	U
60-51-5	dimethoate	5200	U
92-67-1	4-aminobiphenyl	1040	U
82-68-8	pentachloronitrobenzene	1040	U
23950-58-5	pronamide	1040	U
88-85-7	dinoseb	1040	U
298-04-4	disulfoton	1040	U
56-57-5	4-nitroquinoline-1-oxide	1040	U
135-23-9	methapyrilene	5200	U
465-73-6	isodrin	1040	U
140-57-8	aramite	1040	U
143-50-0	kepone	1040	U
60-11-7	p-(dimethylamino)azobenzene	1040	U
510-15-6	chlorobenzilate	5200	U
119-93-7	3,3'-dimethylbenzidine	5200	U
52-85-7	famphur	1040	U
53-96-3	2-acetylaminofluorene	1040	U
57-97-6	7,12-dimethylbenz(a)anthracene	1040	U
59-49-5	3-methylcholanthrene	1040	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1G510

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 67 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1000	U
95-48-7	2-methylphenol	1000	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1000	U
67-72-1	hexachloroethane	1000	U
98-95-3	nitrobenzene	1000	U
87-68-3	hexachlorobutadiene	1000	U
88-06-2	2,4,6-trichlorophenol	1000	U
95-95-4	2,4,5-trichlorophenol	1000	U
121-14-2	2,4-dinitrotoluene	1000	U
118-74-1	hexachlorobenzene	1000	U
87-86-5	pentachlorophenol	1000	U
62-53-3	aniline	1000	U
108-95-2	phenol	1000	U
111-44-4	bis(2-chloroethyl)ether	1000	U
95-57-8	2-chlorophenol	1000	U
541-73-1	1,3-dichlorobenzene	1000	U
106-46-7	1,4-dichlorobenzene	1000	U
100-51-6	benzyl alcohol	1000	U
95-50-1	1,2-dichlorobenzene	1000	U
98-86-2	acetophenone	1000	U
621-64-7	N-nitroso-di-n-propylamine	1000	U
78-59-1	isophorone	1000	U
88-75-5	2-nitrophenol	1000	U
105-67-9	2,4-dimethylphenol	1000	U
111-91-1	bis(2-chloroethoxy)methane	1000	U
120-83-2	2,4-dichlorophenol	1000	U
120-82-1	1,2,4-trichlorobenzene	1000	U
91-20-3	naphthalene	1000	U
106-47-8	4-chloroaniline	1000	U
59-50-7	4-chloro-3-methylphenol	1000	U
91-57-6	2-methylnaphthalene	1000	U
77-47-4	hexachlorocyclopentadiene	1000	U
91-58-7	2-chloronaphthalene	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1G510

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 67 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1000	U
131-11-3	dimethylphthalate	1000	U
209-96-8	acenaphthylene	1000	U
606-20-2	2,6-dinitrotoluene	1000	U
99-09-2	3-nitroaniline	1000	U
83-32-9	acenaphthene	1000	U
51-28-5	2,4-dinitrophenol	2000	U
132-64-9	dibenzofuran	1000	U
100-02-7	4-nitrophenol	1000	U
84-66-2	diethylphthalate	1000	U
7005-72-3	4-chlorophenylphenylether	1000	U
86-73-7	fluorene	1000	U
100-01-6	4-nitroaniline	1000	U
534-52-1	4,6-dinitro-2-methylphenol	1000	U
86-30-6	N-nitroso-diphenylamine	1000	U
101-55-3	4-bromophenylphenylether	1000	U
85-01-8	phenanthrene	1000	U
120-12-7	anthracene	1000	U
84-74-2	di-n-butylphthalate	1000	U
206-44-0	fluoranthene	1000	U
129-00-0	pyrene	1000	U
85-68-7	butylbenzylphthalate	1000	U
91-94-1	3,3'-dichlorobenzidine	5010	U
56-55-3	benzo(a)anthracene	1000	U
218-01-9	chrysene	1000	U
117-81-7	bis(2-ethylhexyl)phthalate	1000	U
117-84-0	di-n-octylphthalate	1000	U
205-99-2	benzo(b)fluoranthene	1000	U
207-08-9	benzo(k)fluoranthene	1000	U
50-32-8	benzo(a)pyrene	1000	U
193-39-5	indeno(1,2,3-cd)pyrene	1000	U
53-70-3	dibenz(a,h)anthracene	1000	U
191-24-2	benzo(g,h,i)perylene	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1G510

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 67 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1000	U
123-91-1	1,4-dioxane	1000	U
80-62-6	methyl methacrylate	1000	U
97-63-2	ethyl methacrylate	1000	U
109-06-8	2-picoline	1000	U
10595-95-6	n-nitrosomethylethylamine	1000	U
66-27-3	methyl methanesulfonate	1000	U
55-18-5	n-nitrosodiethylamine	1000	U
62-50-0	ethyl methanesulfonate	1000	U
76-01-7	pentachloroethane	1000	U
930-55-2	n-nitrosopyrrolidine	1000	U
59-89-2	n-nitrosomorpholine	1000	U
95-53-4	o-toluidine	1000	U
100-75-4	n-nitrosopiperdine	1000	U
122-09-8	a,a-dimethylphenethylamine	1000	U
126-68-1	triethylphosphorothioate	1000	U
87-65-0	2,6-dichlorophenol	1000	U
1888-71-7	hexachloropropene	1000	U
106-50-3	p-phenylenediamine	2000	U
924-16-3	n-nitroso-di-n-butylamine	1000	U
94-59-7	safrole	1000	U
634-90-2	1,2,4,5-tetrachlorobenzene	1000	U
120-58-1	isosafrole	1000	U
130-15-4	1,4-naphthoquinone	1000	U
99-65-0	m-dinitrobenzene	1000	U
608-93-5	pentachlorobenzene	1000	U
134-32-7	1-naphthylamine	1000	U
91-59-8	2-naphthylamine	1000	U
58-90-2	2,3,4,6-tetrachlorophenol	1000	U
99-55-8	5-nitro-o-toluidine	1000	U
297-97-2	thionazine	1000	U
122-39-4	diphenylamine	1000	U
3689-24-5	sulfotepp	1000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1G510

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 67 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5010	U
62-44-2	phenacetin	1000	U
2303-16-4	diallate	1000	U
60-51-5	dimethoate	5010	U
92-67-1	4-aminobiphenyl	1000	U
82-68-8	pentachloronitrobenzene	1000	U
23950-58-5	pronamide	1000	U
88-85-7	dinoseb	1000	U
298-04-4	disulfoton	1000	U
56-57-5	4-nitroquinoline-1-oxide	1000	U
135-23-9	methapyrilene	5010	U
465-73-6	isodrin	1000	U
140-57-8	aramite	1000	U
143-50-0	kepone	1000	U
60-11-7	p-(dimethylamino)azobenzene	1000	U
510-15-6	chlorobenzilate	5010	U
119-93-7	3,3'-dimethylbenzidine	5010	U
52-85-7	famphur	1000	U
53-96-3	2-acetylaminofluorene	1000	U
57-97-6	7,12-dimethylbenz(a)anthracene	1000	U
59-49-5	3-methylcholanthrene	1000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1G511

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 82 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1810	U
95-48-7	2-methylphenol	1810	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1810	U
67-72-1	hexachloroethane	1810	U
98-95-3	nitrobenzene	1810	U
87-68-3	hexachlorobutadiene	1810	U
88-06-2	2,4,6-trichlorophenol	1810	U
95-95-4	2,4,5-trichlorophenol	1810	U
121-14-2	2,4-dinitrotoluene	1810	U
118-74-1	hexachlorobenzene	1810	U
87-86-5	pentachlorophenol	1810	U
62-53-3	aniline	1810	U
108-95-2	phenol	1810	U
111-44-4	bis(2-chloroethyl)ether	1810	U
95-57-8	2-chlorophenol	1810	U
541-73-1	1,3-dichlorobenzene	1810	U
106-46-7	1,4-dichlorobenzene	1810	U
100-51-6	benzyl alcohol	1810	U
95-50-1	1,2-dichlorobenzene	1810	U
98-86-2	acetophenone	1810	U
621-64-7	N-nitroso-di-n-propylamine	1810	U
78-59-1	isophorone	1810	U
88-75-5	2-nitrophenol	1810	U
105-67-9	2,4-dimethylphenol	1810	U
111-91-1	bis(2-chloroethoxy)methane	1810	U
120-83-2	2,4-dichlorophenol	1810	U
120-82-1	1,2,4-trichlorobenzene	1810	U
91-20-3	naphthalene	1810	U
106-47-8	4-chloroaniline	1810	U
59-50-7	4-chloro-3-methylphenol	1810	U
91-57-6	2-methylnaphthalene	1810	U
77-47-4	hexachlorocyclopentadiene	1810	U
91-58-7	2-chloronaphthalene	1810	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1G511

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 82 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1810	U
131-11-3	dimethylphthalate	1810	U
209-96-8	acenaphthylene	1810	U
606-20-2	2,6-dinitrotoluene	1810	U
99-09-2	3-nitroaniline	1810	U
83-32-9	acenaphthene	1810	U
51-28-5	2,4-dinitrophenol	3620	U
132-64-9	dibenzofuran	1810	U
100-02-7	4-nitrophenol	1810	U
84-66-2	diethylphthalate	1810	U
7005-72-3	4-chlorophenylphenylether	1810	U
86-73-7	fluorene	1810	U
100-01-6	4-nitroaniline	1810	U
534-52-1	4,6-dinitro-2-methylphenol	1810	U
86-30-6	N-nitroso-diphenylamine	1810	U
101-55-3	4-bromophenylphenylether	1810	U
85-01-8	phenanthrene	1810	U
120-12-7	anthracene	1810	U
84-74-2	di-n-butylphthalate	1810	U
206-44-0	fluoranthene	1810	U
129-00-0	pyrene	1810	U
85-68-7	butylbenzylphthalate	1810	U
91-94-1	3,3'-dichlorobenzidine	9060	U
56-55-3	benzo(a)anthracene	1810	U
218-01-9	chrysene	1810	U
117-81-7	bis(2-ethylhexyl)phthalate	1810	U
117-84-0	di-n-octylphthalate	1810	U
205-99-2	benzo(b)fluoranthene	1810	U
207-08-9	benzo(k)fluoranthene	1810	U
50-32-8	benzo(a)pyrene	1810	U
193-39-5	indeno(1,2,3-cd)pyrene	1810	U
53-70-3	dibenz(a,h)anthracene	1810	U
191-24-2	benzo(g,h,i)perylene	1810	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1G511

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 82 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1810	U
123-91-1	1,4-dioxane	1810	U
80-62-6	methyl methacrylate	1810	U
97-63-2	ethyl methacrylate	1810	U
109-06-8	2-picoline	1810	U
10595-95-6	n-nitrosomethylethylamine	1810	U
66-27-3	methyl methanesulfonate	1810	U
55-18-5	n-nitrosodiethylamine	1810	U
62-50-0	ethyl methanesulfonate	1810	U
76-01-7	pentachloroethane	1810	U
930-55-2	n-nitrosopyrrolidine	1810	U
59-89-2	n-nitrosomorpholine	1810	U
95-53-4	o-toluidine	1810	U
100-75-4	n-nitrosopiperdine	1810	U
122-09-8	a,a-dimethylphenethylamine	1810	U
126-68-1	triethylphosphorothioate	1810	U
87-65-0	2,6-dichlorophenol	1810	U
1888-71-7	hexachloropropene	1810	U
106-50-3	p-phenylenediamine	3620	U
924-16-3	n-nitroso-di-n-butylamine	1810	U
94-59-7	safrole	1810	U
634-90-2	1,2,4,5-tetrachlorobenzene	1810	U
120-58-1	isosafrole	1810	U
130-15-4	1,4-naphthoquinone	1810	U
99-65-0	m-dinitrobenzene	1810	U
608-93-5	pentachlorobenzene	1810	U
134-32-7	1-naphthylamine	1810	U
91-59-8	2-naphthylamine	1810	U
58-90-2	2,3,4,6-tetrachlorophenol	1810	U
99-55-8	5-nitro-o-toluidine	1810	U
297-97-2	thionazine	1810	U
122-39-4	diphenylamine	1810	U
3689-24-5	sulfotepp	1810	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1G511

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 82 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	9060	U
62-44-2	phenacetin	1810	U
2303-16-4	diallate	1810	U
60-51-5	dimethoate	9060	U
92-67-1	4-aminobiphenyl	1810	U
82-68-8	pentachloronitrobenzene	1810	U
23950-58-5	pronamide	1810	U
88-85-7	dinoseb	1810	U
298-04-4	disulfoton	1810	U
56-57-5	4-nitroquinoline-1-oxide	1810	U
135-23-9	methapyrilene	9060	U
465-73-6	isodrin	1810	U
140-57-8	aramite	1810	U
143-50-0	kepone	1810	U
60-11-7	p-(dimethylamino)azobenzene	1810	U
510-15-6	chlorobenzilate	9060	U
119-93-7	3,3'-dimethylbenzidine	9060	U
52-85-7	famphur	1810	U
53-96-3	2-acetylaminofluorene	1810	U
57-97-6	7,12-dimethylbenz(a)anthracene	1810	U
59-49-5	3-methylcholanthrene	1810	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1G512

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 64 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	925	U
95-48-7	2-methylphenol	925	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	925	U
67-72-1	hexachloroethane	925	U
98-95-3	nitrobenzene	925	U
87-68-3	hexachlorobutadiene	925	U
88-06-2	2,4,6-trichlorophenol	925	U
95-95-4	2,4,5-trichlorophenol	925	U
121-14-2	2,4-dinitrotoluene	925	U
118-74-1	hexachlorobenzene	925	U
87-86-5	pentachlorophenol	925	U
62-53-3	aniline	925	U
108-95-2	phenol	925	U
111-44-4	bis(2-chloroethyl)ether	925	U
95-57-8	2-chlorophenol	925	U
541-73-1	1,3-dichlorobenzene	925	U
106-46-7	1,4-dichlorobenzene	925	U
100-51-6	benzyl alcohol	925	U
95-50-1	1,2-dichlorobenzene	925	U
98-86-2	acetophenone	925	U
621-64-7	N-nitroso-di-n-propylamine	925	U
78-59-1	isophorone	925	U
88-75-5	2-nitrophenol	925	U
105-67-9	2,4-dimethylphenol	925	U
111-91-1	bis(2-chloroethoxy)methane	925	U
120-83-2	2,4-dichlorophenol	925	U
120-82-1	1,2,4-trichlorobenzene	925	U
91-20-3	naphthalene	925	U
106-47-8	4-chloroaniline	925	U
59-50-7	4-chloro-3-methylphenol	925	U
91-57-6	2-methylnaphthalene	925	U
77-47-4	hexachlorocyclopentadiene	925	U
91-58-7	2-chloronaphthalene	925	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

ıb Name: GENERAL ENGINEERING LABOR Contract:

. .o Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1G512

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 64 decanted: (Y/N) N Date Extracted:02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	925	U
131-11-3	dimethylphthalate	925	U
209-96-8	acenaphthylene	925	U
606-20-2	2,6-dinitrotoluene	925	U
99-09-2	3-nitroaniline	925	U
83-32-9	acenaphthene	925	U
51-28-5	2,4-dinitrophenol	1850	U
132-64-9	dibenzofuran	925	U
100-02-7	4-nitrophenol	925	U
84-66-2	diethylphthalate	925	U
7005-72-3	4-chlorophenylphenylether	925	U
86-73-7	fluorene	925	U
100-01-6	4-nitroaniline	925	U
534-52-1	4,6-dinitro-2-methylphenol	925	U
86-30-6	N-nitroso-diphenylamine	925	U
101-55-3	4-bromophenylphenylether	925	U
85-01-8	phenanthrene	925	U
120-12-7	anthracene	925	U
84-74-2	di-n-butylphthalate	925	U
206-44-0	fluoranthene	925	U
129-00-0	pyrene	925	U
85-68-7	butylbenzylphthalate	925	U
91-94-1	3,3'-dichlorobenzidine	4630	U
56-55-3	benzo(a)anthracene	925	U
218-01-9	chrysene	925	U
117-81-7	bis(2-ethylhexyl)phthalate	925	U
117-84-0	di-n-octylphthalate	925	U
205-99-2	benzo(b)fluoranthene	925	U
207-08-9	benzo(k)fluoranthene	925	U
50-32-8	benzo(a)pyrene	925	U
193-39-5	indeno(1,2,3-cd)pyrene	925	U
53-70-3	dibenz(a,h)anthracene	925	U
191-24-2	benzo(g,h,i)perylene	925	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1G512

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 64 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	925	U
123-91-1	1,4-dioxane	925	U
80-62-6	methyl methacrylate	925	U
97-63-2	ethyl methacrylate	925	U
109-06-8	2-picoline	925	U
10595-95-6	n-nitrosomethylethylamine	925	U
66-27-3	methyl methanesulfonate	925	U
55-18-5	n-nitrosodiethylamine	925	U
62-50-0	ethyl methanesulfonate	925	U
76-01-7	pentachloroethane	925	U
930-55-2	n-nitrosopyrrolidine	925	U
59-89-2	n-nitrosomorpholine	925	U
95-53-4	o-toluidine	925	U
100-75-4	n-nitrosopiperdine	925	U
122-09-8	a,a-dimethylphenethylamine	925	U
126-68-1	triethylphosphorothioate	925	U
87-65-0	2,6-dichlorophenol	925	U
1888-71-7	hexachloropropene	925	U
106-50-3	p-phenylenediamine	1850	U
924-16-3	n-nitroso-di-n-butylamine	925	U
94-59-7	safrole	925	U
634-90-2	1,2,4,5-tetrachlorobenzene	925	U
120-58-1	isosafrole	925	U
130-15-4	1,4-naphthoquinone	925	U
99-65-0	m-dinitrobenzene	925	U
608-93-5	pentachlorobenzene	925	U
134-32-7	1-naphthylamine	925	U
91-59-8	2-naphthylamine	925	U
58-90-2	2,3,4,6-tetrachlorophenol	925	U
99-55-8	5-nitro-o-toluidine	925	U
297-97-2	thionazine	925	U
122-39-4	diphenylamine	925	U
3689-24-5	sulfotepp	925	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 1G512

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 64 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	4630	U
62-44-2	phenacetin	925	U
2303-16-4	diallate	925	U
60-51-5	dimethoate	4630	U
92-67-1	4-aminobiphenyl	925	U
82-68-8	pentachloronitrobenzene	925	U
23950-58-5	pronamide	925	U
88-85-7	dinoseb	925	U
298-04-4	disulfoton	925	U
56-57-5	4-nitroquinoline-1-oxide	925	U
135-23-9	methapyrilene	4630	U
465-73-6	isodrin	925	U
140-57-8	aramite	925	U
143-50-0	kepone	925	U
60-11-7	p-(dimethylamino)azobenzene	925	U
510-15-6	chlorobenzilate	4630	U
119-93-7	3,3'-dimethylbenzidine	4630	U
52-85-7	famphur	925	U
53-96-3	2-acetylaminofluorene	925	U
57-97-6	7,12-dimethylbenz(a)anthracene	925	U
59-49-5	3-methylcholanthrene	925	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 83 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1950	U
95-48-7	2-methylphenol	1950	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	1950	U
67-72-1	hexachloroethane	1950	U
98-95-3	nitrobenzene	1950	U
87-68-3	hexachlorobutadiene	1950	U
88-06-2	2,4,6-trichlorophenol	1950	U
95-95-4	2,4,5-trichlorophenol	1950	U
121-14-2	2,4-dinitrotoluene	1950	U
118-74-1	hexachlorobenzene	1950	U
87-86-5	pentachlorophenol	1950	U
62-53-3	aniline	1950	U
108-95-2	phenol	1950	U
111-44-4	bis(2-chloroethyl)ether	1950	U
95-57-8	2-chlorophenol	1950	U
541-73-1	1,3-dichlorobenzene	1950	U
106-46-7	1,4-dichlorobenzene	1950	U
100-51-6	benzyl alcohol	1950	U
95-50-1	1,2-dichlorobenzene	1950	U
98-86-2	acetophenone	1950	U
621-64-7	N-nitroso-di-n-propylamine	1950	U
78-59-1	isophorone	1950	U
88-75-5	2-nitrophenol	1950	U
105-67-9	2,4-dimethylphenol	1950	U
111-91-1	bis(2-chloroethoxy)methane	1950	U
120-83-2	2,4-dichlorophenol	1950	U
120-82-1	1,2,4-trichlorobenzene	1950	U
91-20-3	naphthalene	1950	U
106-47-8	4-chloroaniline	1950	U
59-50-7	4-chloro-3-methylphenol	1950	U
91-57-6	2-methylnaphthalene	1950	U
77-47-4	hexachlorocyclopentadiene	1950	U
91-58-7	2-chloronaphthalene	1950	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 83 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1950	U
131-11-3	dimethylphthalate	1950	U
209-96-8	acenaphthylene	1950	U
606-20-2	2,6-dinitrotoluene	1950	U
99-09-2	3-nitroaniline	1950	U
83-32-9	acenaphthene	1950	U
51-28-5	2,4-dinitrophenol	3900	U
132-64-9	dibenzofuran	1950	U
100-02-7	4-nitrophenol	1950	U
84-66-2	diethylphthalate	1950	U
7005-72-3	4-chlorophenylphenylether	1950	U
86-73-7	fluorene	1950	U
100-01-6	4-nitroaniline	1950	U
534-52-1	4,6-dinitro-2-methylphenol	1950	U
86-30-6	N-nitroso-diphenylamine	1950	U
101-55-3	4-bromophenylphenylether	1950	U
85-01-8	phenanthrene	1950	U
120-12-7	anthracene	1950	U
84-74-2	di-n-butylphthalate	1950	U
206-44-0	fluoranthene	1950	U
129-00-0	pyrene	1950	U
85-68-7	butylbenzylphthalate	1950	U
91-94-1	3,3'-dichlorobenzidine	9760	U
56-55-3	benzo(a)anthracene	1950	U
218-01-9	chrysene	1950	U
117-81-7	bis(2-ethylhexyl)phthalate	1950	U
117-84-0	di-n-octylphthalate	1950	U
205-99-2	benzo(b)fluoranthene	1950	U
207-08-9	benzo(k)fluoranthene	1950	U
50-32-8	benzo(a)pyrene	1950	U
193-39-5	indeno(1,2,3-cd)pyrene	1950	U
53-70-3	dibenz(a,h)anthracene	1950	U
191-24-2	benzo(g,h,i)perylene	1950	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 83 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	1950	U
123-91-1	1,4-dioxane	1950	U
80-62-6	methyl methacrylate	1950	U
97-63-2	ethyl methacrylate	1950	U
109-06-8	2-picoline	1950	U
10595-95-6	n-nitrosomethylethylamine	1950	U
66-27-3	methyl methanesulfonate	1950	U
55-18-5	n-nitrosodiethylamine	1950	U
62-50-0	ethyl methanesulfonate	1950	U
76-01-7	pentachloroethane	1950	U
930-55-2	n-nitrosopyrrolidine	1950	U
59-89-2	n-nitrosomorpholine	1950	U
95-53-4	o-toluidine	1950	U
100-75-4	n-nitrosopiperdine	1950	U
122-09-8	a,a-dimethylphenethylamine	1950	U
126-68-1	triethylphosphorothioate	1950	U
87-65-0	2,6-dichlorophenol	1950	U
1888-71-7	hexachloropropene	1950	U
106-50-3	p-phenylenediamine	3900	U
924-16-3	n-nitroso-di-n-butylamine	1950	U
94-59-7	safrole	1950	U
634-90-2	1,2,4,5-tetrachlorobenzene	1950	U
120-58-1	isosafrole	1950	U
130-15-4	1,4-naphthoquinone	1950	U
99-65-0	m-dinitrobenzene	1950	U
608-93-5	pentachlorobenzene	1950	U
134-32-7	1-naphthylamine	1950	U
91-59-8	2-naphthylamine	1950	U
58-90-2	2,3,4,6-tetrachlorophenol	1950	U
99-55-8	5-nitro-o-toluidine	1950	U
297-97-2	thionazine	1950	U
122-39-4	diphenylamine	1950	U
3689-24-5	sulfotepp	1950	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

ıb Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1G513

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: 83 decanted: (Y/N) N Date Extracted: 02/03/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	9760	U
62-44-2	phenacetin	1950	U
2303-16-4	diallate	1950	U
60-51-5	dimethoate	9760	U
92-67-1	4-aminobiphenyl	1950	U
82-68-8	pentachloronitrobenzene	1950	U
23950-58-5	pronamide	1950	U
88-85-7	dinoseb	1950	U
298-04-4	disulfoton	1950	U
56-57-5	4-nitroquinoline-1-oxide	1950	U
135-23-9	methapyrilene	9760	U
465-73-6	isodrin	1950	U
140-57-8	aramite	1950	U
143-50-0	kepone	1950	U
60-11-7	p-(dimethylamino)azobenzene	1950	U
510-15-6	chlorobenzilate	9760	U
119-93-7	3,3'-dimethylbenzidine	9760	U
52-85-7	famphur	1950	U
53-96-3	2-acetylaminofluorene	1950	U
57-97-6	7,12-dimethylbenz(a)anthracene	1950	U
59-49-5	3-methylcholanthrene	1950	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61418S
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatiles using EPA SW-846 Method 8240:

Sample Description	Laboratory Identification
S1SD-01	9601418-01
S1SD-02	9601418-02
S9SD-01	9601418-03
S9SD-02	9601418-04
S9SD-03	9601418-05
S9SD-04	9601418-06
S9SD-05	9601418-07
S1SD-03	9601418-08
BG1SS-01	9601418-15
BG1SD-01	9601418-16
BG2SD-01	9601418-17
BG2SS-01	9601418-18
BG3SD-01	9601418-19
BG3SS-01	9601418-20
Blank	QC338432
Laboratory Control Sample (LCS)	QC338435
S1SD-01 Post Spike (PS)	QC338433
S1SD-01 Post Spike Duplicate (PSD)	QC338434

Instrument Tune

The mass spectrometer met all criteria for the tuning compound bromofluorobenzene.

Instrument Calibration

Initial and continuing instrument calibration criteria established in the methodology were met for all analyses.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

Surrogate spiking compounds associated with these samples did not meet the recovery criteria due to matrix interference. Since both the initial runs and the re-runs failed surrogate recovery criteria, matrix interference was confirmed. Data from both of the runs are reported on the forms and EDD.

Internal Standards

Internal standards for these samples did not pass acceptance criteria due matrix interference.

Since both the initial runs and the re-runs failed internal standard recovery criteria, matrix interference was confirmed. Data from both of the runs are reported on the forms and EDD. The only exceptions are samples S9SD-04 and S9SD-05, in which the third re-analysis passed internal standard criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The PS and PSD analyzed met recommended quality control limits for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Sample S9SD-05 was analyzed at a 5x dilution in order to quanitate Acetone within the calibration range of the analytical equipment.

Additional Comments

The samples were analyzed using a capillary column.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T407

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 70 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.7	U
74-83-9	bromomethane	6.7	U
75-01-4	vinyl chloride	6.7	U
75-00-3	chloroethane	6.7	U
75-09-2	methylene chloride	4.7	J
67-64-1	acetone	3.5	J
75-15-0	carbon disulfide	16.7	U
75-35-4	1,1-dichloroethene	6.7	U
75-34-3	1,1-dichloroethane	6.7	U
156-60-5	trans-1,2-dichloroethene	6.7	U
67-66-3	chloroform	6.7	U
107-06-2	1,2-dichloroethane	6.7	U
78-93-3	2-butanone	16.7	U
71-55-6	1,1,1-trichloroethane	6.7	U
56-23-5	carbon tetrachloride	6.7	U
75-27-4	bromodichloromethane	6.7	U
78-87-5	1,2-dichloropropane	6.7	U
10061-01-5	cis-1,3-dichloropropene	6.7	U
79-01-6	trichloroethene	6.7	U
124-48-1	dibromochloromethane	6.7	U
79-00-5	1,1,2-trichloroethane	6.7	U
71-43-2	benzene	6.7	U
10061-02-6	trans-1,3-dichloropropene	6.7	U
75-25-2	bromoform	6.7	U
108-10-1	4-methyl-2-pentanone	16.7	U
591-78-6	2-hexanone	16.7	U
127-18-4	tetrachloroethene	6.7	U
79-34-5	1,1,2,2-tetrachloroethane	6.7	U
108-88-3	toluene	6.7	U
108-90-7	chlorobenzene	6.7	U
100-41-4	ethylbenzene	6.7	U
100-42-5	styrene	6.7	U
75-71-8	Dichlorodifluoromethane	6.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T407

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 70 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.7	U
107-13-1	Acrylonitrile	66.7	U
108-05-4	Vinyl Acetate	16.7	U
107-02-8	Acrolein	66.7	U
74-88-4	Iodomethane	16.7	U
75-05-8	Acetonitrile	33.3	U
107-05-1	Allyl Chloride	33.3	U
126-99-8	2-Chloro-1,3-butadiene	6.7	U
126-98-7	Methacrylonitrile	33.3	U
78-83-1	Isobutyl Alcohol	66.7	U
107-12-0	Propionitrile	66.7	U
74-95-3	Dibromomethane	6.7	U
80-62-6	Methyl methacrylate	33.3	U
106-93-4	1,2-Dibromoethane	6.7	U
630-20-6	1,1,1,2-Tetrachloroethane	6.7	U
96-18-4	1,2,3-Trichloropropane	6.7	U
110-57-6	trans-1,4-Dichloro-2-butene	33.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	66.7	U
96-12-8	1,2-dibromo-3-chloropropane	6.7	U
	xylenes (total)	19.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01CF0

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T423

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 70 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.7	U
74-83-9	bromomethane	6.7	U
75-01-4	vinyl chloride	6.7	U
75-00-3	chloroethane	6.7	U
75-09-2	methylene chloride	6.7	U
67-64-1	acetone	6.7	U
75-15-0	carbon disulfide	16.7	U
75-35-4	1,1-dichloroethene	6.7	U
75-34-3	1,1-dichloroethane	6.7	U
156-60-5	trans-1,2-dichloroethene	6.7	U
67-66-3	chloroform	6.7	U
107-06-2	1,2-dichloroethane	6.7	U
78-93-3	2-butanone	16.7	U
71-55-6	1,1,1-trichloroethane	6.7	U
56-23-5	carbon tetrachloride	6.7	U
75-27-4	bromodichloromethane	6.7	U
78-87-5	1,2-dichloropropane	6.7	U
10061-01-5	cis-1,3-dichloropropene	6.7	U
79-01-6	trichloroethene	6.7	U
124-48-1	dibromochloromethane	6.7	U
79-00-5	1,1,2-trichloroethane	6.7	U
71-43-2	benzene	6.7	U
10061-02-6	trans-1,3-dichloropropene	6.7	U
75-25-2	bromoform	6.7	U
108-10-1	4-methyl-2-pentanone	16.7	U
591-78-6	2-hexanone	16.7	U
127-18-4	tetrachloroethene	6.7	U
79-34-5	1,1,2,2-tetrachloroethane	6.7	U
108-88-3	toluene	6.7	U
108-90-7	chlorobenzene	6.7	U
100-41-4	ethylbenzene	6.7	U
100-42-5	styrene	6.7	U
75-71-8	Dichlorodifluoromethane	6.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-16

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T423

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 70 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.7	U
107-13-1	Acrylonitrile	66.7	U
108-05-4	Vinyl Acetate	16.7	U
107-02-8	Acrolein	66.7	U
74-88-4	Iodomethane	16.7	U
75-05-8	Acetonitrile	33.3	U
107-05-1	Allyl Chloride	33.3	U
126-99-8	2-Chloro-1,3-butadiene	6.7	U
126-98-7	Methacrylonitrile	33.3	U
78-83-1	Isobutyl Alcohol	66.7	U
107-12-0	Propionitrile	66.7	U
74-95-3	Dibromomethane	6.7	U
80-62-6	Methyl methacrylate	33.3	U
106-93-4	1,2-Dibromoethane	6.7	U
630-20-6	1,1,1,2-Tetrachloroethane	6.7	U
96-18-4	1,2,3-Trichloropropane	6.7	U
110-57-6	trans-1,4-Dichloro-2-butene	33.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	66.7	U
96-12-8	1,2-dibromo-3-chloropropane	6.7	U
	xylenes (total)	20.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T406

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 27 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.5	
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	0.11	J
67-64-1	acetone	2.7	U
75-15-0	carbon disulfide	6.8	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.8	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	2.7	U
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.8	U
591-78-6	2-hexanone	6.8	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	2.7	U
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T406

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 27 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	27.4	U
108-05-4	Vinyl Acetate	6.8	U
107-02-8	Acrolein	27.4	U
74-88-4	Iodomethane	6.8	U
75-05-8	Acetonitrile	13.7	U
107-05-1	Allyl Chloride	13.7	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.7	U
78-83-1	Isobutyl Alcohol	27.4	U
107-12-0	Propionitrile	27.4	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	13.7	U
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.7	U
108-60-1	bis(2-Chloro-isopropyl)ether	27.4	U
96-12-8	1,2-dibromo-3-chloropropane	2.7	U
	xylenes (total)	8.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T422

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 27 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.7	U
74-83-9	bromomethane	2.7	U
75-01-4	vinyl chloride	2.7	U
75-00-3	chloroethane	2.7	U
75-09-2	methylene chloride	5.3	
67-64-1	acetone	2.7	U
75-15-0	carbon disulfide	6.8	U
75-35-4	1,1-dichloroethene	2.7	U
75-34-3	1,1-dichloroethane	2.7	U
156-60-5	trans-1,2-dichloroethene	2.7	U
67-66-3	chloroform	2.7	U
107-06-2	1,2-dichloroethane	2.7	U
78-93-3	2-butanone	6.8	U
71-55-6	1,1,1-trichloroethane	2.7	U
56-23-5	carbon tetrachloride	2.7	U
75-27-4	bromodichloromethane	2.7	U
78-87-5	1,2-dichloropropane	2.7	U
10061-01-5	cis-1,3-dichloropropene	2.7	U
79-01-6	trichloroethene	2.7	U
124-48-1	dibromochloromethane	2.7	U
79-00-5	1,1,2-trichloroethane	2.7	U
71-43-2	benzene	2.7	U
10061-02-6	trans-1,3-dichloropropene	2.7	U
75-25-2	bromoform	2.7	U
108-10-1	4-methyl-2-pentanone	6.8	U
591-78-6	2-hexanone	6.8	U
127-18-4	tetrachloroethene	2.7	U
79-34-5	1,1,2,2-tetrachloroethane	2.7	U
108-88-3	toluene	2.7	U
108-90-7	chlorobenzene	2.7	U
100-41-4	ethylbenzene	2.7	U
100-42-5	styrene	2.7	U
75-71-8	Dichlorodifluoromethane	2.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T422

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 27 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.7	U
107-13-1	Acrylonitrile	27.4	U
108-05-4	Vinyl Acetate	6.8	U
107-02-8	Acrolein	27.4	U
74-88-4	Iodomethane	6.8	U
75-05-8	Acetonitrile	13.7	U
107-05-1	Allyl Chloride	13.7	U
126-99-8	2-Chloro-1,3-butadiene	2.7	U
126-98-7	Methacrylonitrile	13.7	U
78-83-1	Isobutyl Alcohol	27.4	U
107-12-0	Propionitrile	27.4	U
74-95-3	Dibromomethane	2.7	U
80-62-6	Methyl methacrylate	13.7	U
106-93-4	1,2-Dibromoethane	2.7	U
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U
96-18-4	1,2,3-Trichloropropane	2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	13.7	U
108-60-1	bis(2-Chloro-isopropyl)ether	27.4	U
96-12-8	1,2-dibromo-3-chloropropane	2.7	U
	xylenes (total)	8.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T408

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 87 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	15.4	U
74-83-9	bromomethane	15.4	U
75-01-4	vinyl chloride	15.4	U
75-00-3	chloroethane	15.4	U
75-09-2	methylene chloride	15.4	U
67-64-1	acetone	38.0	
75-15-0	carbon disulfide	38.5	U
75-35-4	1,1-dichloroethene	15.4	U
75-34-3	1,1-dichloroethane	15.4	U
156-60-5	trans-1,2-dichloroethene	15.4	U
67-66-3	chloroform	15.4	U
107-06-2	1,2-dichloroethane	15.4	U
78-93-3	2-butanone	38.5	U
71-55-6	1,1,1-trichloroethane	15.4	U
56-23-5	carbon tetrachloride	15.4	U
75-27-4	bromodichloromethane	15.4	U
78-87-5	1,2-dichloropropane	15.4	U
10061-01-5	cis-1,3-dichloropropene	15.4	U
79-01-6	trichloroethene	15.4	U
124-48-1	dibromochloromethane	15.4	U
79-00-5	1,1,2-trichloroethane	15.4	U
71-43-2	benzene	15.4	U
10061-02-6	trans-1,3-dichloropropene	15.4	U
75-25-2	bromoform	15.4	U
108-10-1	4-methyl-2-pentanone	38.5	U
591-78-6	2-hexanone	38.5	U
127-18-4	tetrachloroethene	15.4	U
79-34-5	1,1,2,2-tetrachloroethane	15.4	U
108-88-3	toluene	15.4	U
108-90-7	chlorobenzene	15.4	U
100-41-4	ethylbenzene	15.4	U
100-42-5	styrene	15.4	U
75-71-8	Dichlorodifluoromethane	15.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T408

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 87 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	15.4	U
107-13-1	Acrylonitrile	154	U
108-05-4	Vinyl Acetate	38.5	U
107-02-8	Acrolein	154	U
74-88-4	Iodomethane	38.5	U
75-05-8	Acetonitrile	76.9	U
107-05-1	Allyl Chloride	76.9	U
126-99-8	2-Chloro-1,3-butadiene	15.4	U
126-98-7	Methacrylonitrile	76.9	U
78-83-1	Isobutyl Alcohol	154	U
107-12-0	Propionitrile	154	U
74-95-3	Dibromomethane	15.4	U
80-62-6	Methyl methacrylate	76.9	U
106-93-4	1,2-Dibromoethane	15.4	U
630-20-6	1,1,1,2-Tetrachloroethane	15.4	U
96-18-4	1,2,3-Trichloropropane	15.4	U
110-57-6	trans-1,4-Dichloro-2-butene	76.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	154	U
96-12-8	1,2-dibromo-3-chloropropane	15.4	U
	xylenes (total)	46.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01CF0

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T424

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 87 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	15.4	U
74-83-9	bromomethane	15.4	U
75-01-4	vinyl chloride	15.4	U
75-00-3	chloroethane	15.4	U
75-09-2	methylene chloride	15.4	U
67-64-1	acetone	15.4	U
75-15-0	carbon disulfide	38.5	U
75-35-4	1,1-dichloroethene	15.4	U
75-34-3	1,1-dichloroethane	15.4	U
156-60-5	trans-1,2-dichloroethene	15.4	U
67-66-3	chloroform	15.4	U
107-06-2	1,2-dichloroethane	15.4	U
78-93-3	2-butanone	38.5	U
71-55-6	1,1,1-trichloroethane	15.4	U
56-23-5	carbon tetrachloride	15.4	U
75-27-4	bromodichloromethane	15.4	U
78-87-5	1,2-dichloropropane	15.4	U
10061-01-5	cis-1,3-dichloropropene	15.4	U
79-01-6	trichloroethene	15.4	U
124-48-1	dibromochloromethane	15.4	U
79-00-5	1,1,2-trichloroethane	15.4	U
71-43-2	benzene	15.4	U
10061-02-6	trans-1,3-dichloropropene	15.4	U
75-25-2	bromoform	15.4	U
108-10-1	4-methyl-2-pentanone	38.5	U
591-78-6	2-hexanone	38.5	U
127-18-4	tetrachloroethene	15.4	U
79-34-5	1,1,2,2-tetrachloroethane	15.4	U
108-88-3	toluene	3.6	J
108-90-7	chlorobenzene	15.4	U
100-41-4	ethylbenzene	15.4	U
100-42-5	styrene	15.4	U
75-71-8	Dichlorodifluoromethane	15.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-17

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T424

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 87 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	15.4	U
107-13-1	Acrylonitrile	154	U
108-05-4	Vinyl Acetate	38.5	U
107-02-8	Acrolein	154	U
74-88-4	Iodomethane	4.0	J
75-05-8	Acetonitrile	76.9	U
107-05-1	Allyl Chloride	76.9	U
126-99-8	2-Chloro-1,3-butadiene	15.4	U
126-98-7	Methacrylonitrile	76.9	U
78-83-1	Isobutyl Alcohol	154	U
107-12-0	Propionitrile	154	U
74-95-3	Dibromomethane	15.4	U
80-62-6	Methyl methacrylate	76.9	U
106-93-4	1,2-Dibromoethane	15.4	U
630-20-6	1,1,1,2-Tetrachloroethane	15.4	U
96-18-4	1,2,3-Trichloropropane	15.4	U
110-57-6	trans-1,4-Dichloro-2-butene	76.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	154	U
96-12-8	1,2-dibromo-3-chloropropane	15.4	U
	xylenes (total)	46.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T409

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 22 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.6	U
74-83-9	bromomethane	2.6	U
75-01-4	vinyl chloride	2.6	U
75-00-3	chloroethane	2.6	U
75-09-2	methylene chloride	2.6	U
67-64-1	acetone	2.6	U
75-15-0	carbon disulfide	6.4	U
75-35-4	1,1-dichloroethene	2.6	U
75-34-3	1,1-dichloroethane	2.6	U
156-60-5	trans-1,2-dichloroethene	2.6	U
67-66-3	chloroform	2.6	U
107-06-2	1,2-dichloroethane	2.6	U
78-93-3	2-butanone	6.4	U
71-55-6	1,1,1-trichloroethane	2.6	U
56-23-5	carbon tetrachloride	2.6	U
75-27-4	bromodichloromethane	2.6	U
78-87-5	1,2-dichloropropane	2.6	U
10061-01-5	cis-1,3-dichloropropene	2.6	U
79-01-6	trichloroethene	2.6	U
124-48-1	dibromochloromethane	2.6	U
79-00-5	1,1,2-trichloroethane	2.6	U
71-43-2	benzene	2.6	U
10061-02-6	trans-1,3-dichloropropene	2.6	U
75-25-2	bromoform	2.6	U
108-10-1	4-methyl-2-pentanone	6.4	U
591-78-6	2-hexanone	6.4	U
127-18-4	tetrachloroethene	2.6	U
79-34-5	1,1,2,2-tetrachloroethane	2.6	U
108-88-3	toluene	2.6	U
108-90-7	chlorobenzene	2.6	U
100-41-4	ethylbenzene	2.6	U
100-42-5	styrene	2.6	U
75-71-8	Dichlorodifluoromethane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T409

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 22 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.6	U
107-13-1	Acrylonitrile	25.6	U
108-05-4	Vinyl Acetate	6.4	U
107-02-8	Acrolein	25.6	U
74-88-4	Iodomethane	6.4	U
75-05-8	Acetonitrile	12.8	U
107-05-1	Allyl Chloride	12.8	U
126-99-8	2-Chloro-1,3-butadiene	2.6	U
126-98-7	Methacrylonitrile	12.8	U
78-83-1	Isobutyl Alcohol	25.6	U
107-12-0	Propionitrile	25.6	U
74-95-3	Dibromomethane	2.6	U
80-62-6	Methyl methacrylate	12.8	U
106-93-4	1,2-Dibromoethane	2.6	U
630-20-6	1,1,1,2-Tetrachloroethane	2.6	U
96-18-4	1,2,3-Trichloropropane	2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	12.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	25.6	U
96-12-8	1,2-dibromo-3-chloropropane	2.6	U
	xylenes (total)	7.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T425

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 22 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.6	U
74-83-9	bromomethane	2.6	U
75-01-4	vinyl chloride	2.6	U
75-00-3	chloroethane	2.6	U
75-09-2	methylene chloride	2.6	U
67-64-1	acetone	2.6	U
75-15-0	carbon disulfide	6.4	U
75-35-4	1,1-dichloroethene	2.6	U
75-34-3	1,1-dichloroethane	2.6	U
156-60-5	trans-1,2-dichloroethene	2.6	U
67-66-3	chloroform	2.6	U
107-06-2	1,2-dichloroethane	2.6	U
78-93-3	2-butanone	6.4	U
71-55-6	1,1,1-trichloroethane	2.6	U
56-23-5	carbon tetrachloride	2.6	U
75-27-4	bromodichloromethane	2.6	U
78-87-5	1,2-dichloropropane	2.6	U
10061-01-5	cis-1,3-dichloropropene	2.6	U
79-01-6	trichloroethene	2.6	U
124-48-1	dibromochloromethane	2.6	U
79-00-5	1,1,2-trichloroethane	2.6	U
71-43-2	benzene	2.6	U
10061-02-6	trans-1,3-dichloropropene	2.6	U
75-25-2	bromoform	2.6	U
108-10-1	4-methyl-2-pentanone	6.4	U
591-78-6	2-hexanone	6.4	U
127-18-4	tetrachloroethene	2.6	U
79-34-5	1,1,2,2-tetrachloroethane	2.6	U
108-88-3	toluene	2.6	U
108-90-7	chlorobenzene	2.6	U
100-41-4	ethylbenzene	2.6	U
100-42-5	styrene	2.6	U
75-71-8	Dichlorodifluoromethane	2.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-01CF0

ㅎ Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-18

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T425

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 22 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.6	U
107-13-1	Acrylonitrile	25.6	U
108-05-4	Vinyl Acetate	6.4	U
107-02-8	Acrolein	25.6	U
74-88-4	Iodomethane	6.4	U
75-05-8	Acetonitrile	12.8	U
107-05-1	Allyl Chloride	12.8	U
126-99-8	2-Chloro-1,3-butadiene	2.6	U
126-98-7	Methacrylonitrile	12.8	U
78-83-1	Isobutyl Alcohol	25.6	U
107-12-0	Propionitrile	25.6	U
74-95-3	Dibromomethane	2.6	U
80-62-6	Methyl methacrylate	12.8	U
106-93-4	1,2-Dibromoethane	2.6	U
630-20-6	1,1,1,2-Tetrachloroethane	2.6	U
96-18-4	1,2,3-Trichloropropane	2.6	U
110-57-6	trans-1,4-Dichloro-2-butene	12.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	25.6	U
96-12-8	1,2-dibromo-3-chloropropane	2.6	U
----------	xylenes (total)	7.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T410

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 47 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.8	U
74-83-9	bromomethane	3.8	U
75-01-4	vinyl chloride	3.8	U
75-00-3	chloroethane	3.8	U
75-09-2	methylene chloride	3.8	U
67-64-1	acetone	3.8	U
75-15-0	carbon disulfide	9.4	U
75-35-4	1,1-dichloroethene	3.8	U
75-34-3	1,1-dichloroethane	3.8	U
156-60-5	trans-1,2-dichloroethene	3.8	U
67-66-3	chloroform	3.8	U
107-06-2	1,2-dichloroethane	3.8	U
78-93-3	2-butanone	9.4	U
71-55-6	1,1,1-trichloroethane	3.8	U
56-23-5	carbon tetrachloride	3.8	U
75-27-4	bromodichloromethane	3.8	U
78-87-5	1,2-dichloropropane	3.8	U
10061-01-5	cis-1,3-dichloropropene	3.8	U
79-01-6	trichloroethene	3.8	U
124-48-1	dibromochloromethane	3.8	U
79-00-5	1,1,2-trichloroethane	3.8	U
71-43-2	benzene	3.8	U
10061-02-6	trans-1,3-dichloropropene	3.8	U
75-25-2	bromoform	3.8	U
108-10-1	4-methyl-2-pentanone	9.4	U
591-78-6	2-hexanone	9.4	U
127-18-4	tetrachloroethene	3.8	U
79-34-5	1,1,2,2-tetrachloroethane	3.8	U
108-88-3	toluene	3.8	U
108-90-7	chlorobenzene	3.8	U
100-41-4	ethylbenzene	3.8	U
100-42-5	styrene	3.8	U
75-71-8	Dichlorodifluoromethane	3.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T410

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 47 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.8	U
107-13-1	Acrylonitrile	37.7	U
108-05-4	Vinyl Acetate	9.4	U
107-02-8	Acrolein	37.7	U
74-88-4	Iodomethane	9.4	U
75-05-8	Acetonitrile	18.9	U
107-05-1	Allyl Chloride	18.9	U
126-99-8	2-Chloro-1,3-butadiene	3.8	U
126-98-7	Methacrylonitrile	18.9	U
78-83-1	Isobutyl Alcohol	37.7	U
107-12-0	Propionitrile	37.7	U
74-95-3	Dibromomethane	3.8	U
80-62-6	Methyl methacrylate	18.9	U
106-93-4	1,2-Dibromoethane	3.8	U
630-20-6	1,1,1,2-Tetrachloroethane	3.8	U
96-18-4	1,2,3-Trichloropropane	3.8	U
110-57-6	trans-1,4-Dichloro-2-butene	18.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	37.7	U
96-12-8	1,2-dibromo-3-chloropropane	3.8	U
	xylenes (total)	11.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T426

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 47 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.8	U
74-83-9	bromomethane	3.8	U
75-01-4	vinyl chloride	3.8	U
75-00-3	chloroethane	3.8	U
75-09-2	methylene chloride	3.8	U
67-64-1	acetone	3.8	U
75-15-0	carbon disulfide	9.4	U
75-35-4	1,1-dichloroethene	3.8	U
75-34-3	1,1-dichloroethane	3.8	U
156-60-5	trans-1,2-dichloroethene	3.8	U
67-66-3	chloroform	3.8	U
107-06-2	1,2-dichloroethane	3.8	U
78-93-3	2-butanone	9.4	U
71-55-6	1,1,1-trichloroethane	3.8	U
56-23-5	carbon tetrachloride	3.8	U
75-27-4	bromodichloromethane	3.8	U
78-87-5	1,2-dichloropropane	3.8	U
10061-01-5	cis-1,3-dichloropropene	3.8	U
79-01-6	trichloroethene	3.8	U
124-48-1	dibromochloromethane	3.8	U
79-00-5	1,1,2-trichloroethane	3.8	U
71-43-2	benzene	3.8	U
10061-02-6	trans-1,3-dichloropropene	3.8	U
75-25-2	bromoform	3.8	U
108-10-1	4-methyl-2-pentanone	9.4	U
591-78-6	2-hexanone	9.4	U
127-18-4	tetrachloroethene	3.8	U
79-34-5	1,1,2,2-tetrachloroethane	3.8	U
108-88-3	toluene	3.8	U
108-90-7	chlorobenzene	3.8	U
100-41-4	ethylbenzene	3.8	U
100-42-5	styrene	3.8	U
75-71-8	Dichlorodifluoromethane	3.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-19

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T426

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 47 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.8	U
107-13-1	Acrylonitrile	37.7	U
108-05-4	Vinyl Acetate	9.4	U
107-02-8	Acrolein	37.7	U
74-88-4	Iodomethane	9.4	U
75-05-8	Acetonitrile	18.9	U
107-05-1	Allyl Chloride	18.9	U
126-99-8	2-Chloro-1,3-butadiene	3.8	U
126-98-7	Methacrylonitrile	18.9	U
78-83-1	Isobutyl Alcohol	37.7	U
107-12-0	Propionitrile	37.7	U
74-95-3	Dibromomethane	3.8	U
80-62-6	Methyl methacrylate	18.9	U
106-93-4	1,2-Dibromoethane	3.8	U
630-20-6	1,1,1,2-Tetrachloroethane	3.8	U
96-18-4	1,2,3-Trichloropropane	3.8	U
110-57-6	trans-1,4-Dichloro-2-butene	18.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	37.7	U
96-12-8	1,2-dibromo-3-chloropropane	3.8	U
----------	xylenes (total)	11.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T413

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 38 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.2	U
74-83-9	bromomethane	3.2	U
75-01-4	vinyl chloride	3.2	U
75-00-3	chloroethane	3.2	U
75-09-2	methylene chloride	0.52	J
67-64-1	acetone	3.2	U
75-15-0	carbon disulfide	8.1	U
75-35-4	1,1-dichloroethene	3.2	U
75-34-3	1,1-dichloroethane	3.2	U
156-60-5	trans-1,2-dichloroethene	3.2	U
67-66-3	chloroform	0.68	J
107-06-2	1,2-dichloroethane	3.2	U
78-93-3	2-butanone	8.1	U
71-55-6	1,1,1-trichloroethane	3.2	U
56-23-5	carbon tetrachloride	3.2	U
75-27-4	bromodichloromethane	3.2	U
78-87-5	1,2-dichloropropane	3.2	U
10061-01-5	cis-1,3-dichloropropene	3.2	U
79-01-6	trichloroethene	3.2	U
124-48-1	dibromochloromethane	3.2	U
79-00-5	1,1,2-trichloroethane	3.2	U
71-43-2	benzene	3.2	U
10061-02-6	trans-1,3-dichloropropene	3.2	U
75-25-2	bromoform	3.2	U
108-10-1	4-methyl-2-pentanone	8.1	U
591-78-6	2-hexanone	2.4	J
127-18-4	tetrachloroethene	3.2	U
79-34-5	1,1,2,2-tetrachloroethane	4.2	
108-88-3	toluene	3.2	U
108-90-7	chlorobenzene	3.2	U
100-41-4	ethylbenzene	3.2	U
100-42-5	styrene	3.2	U
75-71-8	Dichlorodifluoromethane	3.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T413

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 38 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.2	U
107-13-1	Acrylonitrile	32.2	U
108-05-4	Vinyl Acetate	8.1	U
107-02-8	Acrolein	32.2	U
74-88-4	Iodomethane	8.1	U
75-05-8	Acetonitrile	16.1	U
107-05-1	Allyl Chloride	16.1	U
126-99-8	2-Chloro-1,3-butadiene	3.2	U
126-98-7	Methacrylonitrile	16.1	U
78-83-1	Isobutyl Alcohol	32.2	U
107-12-0	Propionitrile	32.2	U
74-95-3	Dibromomethane	3.2	U
80-62-6	Methyl methacrylate	16.1	U
106-93-4	1,2-Dibromoethane	3.2	U
630-20-6	1,1,1,2-Tetrachloroethane	3.2	U
96-18-4	1,2,3-Trichloropropane	3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	16.1	U
108-60-1	bis(2-Chloro-isopropyl)ether	20.9	J
96-12-8	1,2-dibromo-3-chloropropane	3.2	U
	xylenes (total)	9.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T414

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 38 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.2	U
74-83-9	bromomethane	3.2	U
75-01-4	vinyl chloride	3.2	U
75-00-3	chloroethane	3.2	U
75-09-2	methylene chloride	2.6	J
67-64-1	acetone	3.2	U
75-15-0	carbon disulfide	8.1	U
75-35-4	1,1-dichloroethene	3.2	U
75-34-3	1,1-dichloroethane	3.2	U
156-60-5	trans-1,2-dichloroethene	3.2	U
67-66-3	chloroform	3.2	U
107-06-2	1,2-dichloroethane	3.2	U
78-93-3	2-butanone	8.1	U
71-55-6	1,1,1-trichloroethane	3.2	U
56-23-5	carbon tetrachloride	3.2	U
75-27-4	bromodichloromethane	3.2	U
78-87-5	1,2-dichloropropane	3.2	U
10061-01-5	cis-1,3-dichloropropene	3.2	U
79-01-6	trichloroethene	3.2	U
124-48-1	dibromochloromethane	3.2	U
79-00-5	1,1,2-trichloroethane	3.2	U
71-43-2	benzene	3.2	U
10061-02-6	trans-1,3-dichloropropene	3.2	U
75-25-2	bromoform	3.2	U
108-10-1	4-methyl-2-pentanone	8.1	U
591-78-6	2-hexanone	8.1	U
127-18-4	tetrachloroethene	3.2	U
79-34-5	1,1,2,2-tetrachloroethane	3.2	U
108-88-3	toluene	3.2	U
108-90-7	chlorobenzene	3.2	U
100-41-4	ethylbenzene	3.2	U
100-42-5	styrene	3.2	U
75-71-8	Dichlorodifluoromethane	3.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-01CF0

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-20

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T414

Level: (low/med) LOW Date Received: 01/26/96

% Moisture: not dec. 38 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.2	U
107-13-1	Acrylonitrile	32.2	U
108-05-4	Vinyl Acetate	8.1	U
107-02-8	Acrolein	32.2	U
74-88-4	Iodomethane	8.1	U
75-05-8	Acetonitrile	16.1	U
107-05-1	Allyl Chloride	16.1	U
126-99-8	2-Chloro-1,3-butadiene	3.2	U
126-98-7	Methacrylonitrile	16.1	U
78-83-1	Isobutyl Alcohol	32.2	U
107-12-0	Propionitrile	32.2	U
74-95-3	Dibromomethane	3.2	U
80-62-6	Methyl methacrylate	16.1	U
106-93-4	1,2-Dibromoethane	3.2	U
630-20-6	1,1,1,2-Tetrachloroethane	3.2	U
96-18-4	1,2,3-Trichloropropane	3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	16.1	U
108-60-1	bis(2-Chloro-isopropyl)ether	32.2	U
96-12-8	1,2-dibromo-3-chloropropane	3.2	U
	xylenes (total)	9.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T307

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 62 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	5.3	U
74-83-9	bromomethane	5.3	U
75-01-4	vinyl chloride	5.3	U
75-00-3	chloroethane	5.3	U
75-09-2	methylene chloride	5.3	U
67-64-1	acetone	5.3	U
75-15-0	carbon disulfide	13.2	U
75-35-4	1,1-dichloroethene	5.3	U
75-34-3	1,1-dichloroethane	5.3	U
156-60-5	trans-1,2-dichloroethene	5.3	U
67-66-3	chloroform	5.3	U
107-06-2	1,2-dichloroethane	5.3	U
78-93-3	2-butanone	13.2	U
71-55-6	1,1,1-trichloroethane	5.3	U
56-23-5	carbon tetrachloride	5.3	U
75-27-4	bromodichloromethane	5.3	U
78-87-5	1,2-dichloropropane	5.3	U
10061-01-5	cis-1,3-dichloropropene	5.3	U
79-01-6	trichloroethene	5.3	U
124-48-1	dibromochloromethane	5.3	U
79-00-5	1,1,2-trichloroethane	5.3	U
71-43-2	benzene	5.3	U
10061-02-6	trans-1,3-dichloropropene	5.3	U
75-25-2	bromoform	5.3	U
108-10-1	4-methyl-2-pentanone	13.2	U
591-78-6	2-hexanone	13.2	U
127-18-4	tetrachloroethene	5.3	U
79-34-5	1,1,2,2-tetrachloroethane	5.3	U
108-88-3	toluene	5.3	U
108-90-7	chlorobenzene	5.3	U
100-41-4	ethylbenzene	5.3	U
100-42-5	styrene	5.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T307

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 62 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
107-13-1	Acrylonitrile	52.6	U
108-05-4	Vinyl Acetate	13.2	U
107-02-8	Acrolein	52.6	U
74-88-4	Iodomethane	13.2	U
75-05-8	Acetonitrile	26.3	U
107-05-1	Allyl Chloride	26.3	U
126-99-8	2-Chloro-1,3-butadiene	5.3	U
126-98-7	Methacrylonitrile	26.3	U
78-83-1	Isobutyl Alcohol	52.6	U
594-20-7	2,2-Dichloropropane	5.3	U
107-12-0	Propionitrile	52.6	U
74-95-3	Dibromomethane	5.3	U
80-62-6	Methyl methacrylate	26.3	U
106-93-4	1,2-Dibromoethane	5.3	U
630-20-6	1,1,1,2-Tetrachloroethane	5.3	U
96-18-4	1,2,3-Trichloropropane	5.3	U
110-57-6	trans-1,4-Dichloro-2-butene	26.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	52.6	U
96-12-8	1,2-dibromo-3-chloropropane	5.3	U
----------	xylenes (total)	15.9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T312

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 75 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	8.0	U
74-83-9	bromomethane	8.0	U
75-01-4	vinyl chloride	8.0	U
75-00-3	chloroethane	8.0	U
75-09-2	methylene chloride	8.0	U
67-64-1	acetone	8.0	U
75-15-0	carbon disulfide	20.0	U
75-35-4	1,1-dichloroethene	8.0	U
75-34-3	1,1-dichloroethane	8.0	U
156-60-5	trans-1,2-dichloroethene	8.0	U
67-66-3	chloroform	8.0	U
107-06-2	1,2-dichloroethane	8.0	U
78-93-3	2-butanone	20.0	U
71-55-6	1,1,1-trichloroethane	8.0	U
56-23-5	carbon tetrachloride	8.0	U
75-27-4	bromodichloromethane	8.0	U
78-87-5	1,2-dichloropropane	8.0	U
10061-01-5	cis-1,3-dichloropropene	8.0	U
79-01-6	trichloroethene	8.0	U
124-48-1	dibromochloromethane	0.70	J
79-00-5	1,1,2-trichloroethane	8.0	U
71-43-2	benzene	8.0	U
10061-02-6	trans-1,3-dichloropropene	8.0	U
75-25-2	bromoform	8.0	U
108-10-1	4-methyl-2-pentanone	20.0	U
591-78-6	2-hexanone	20.0	U
127-18-4	tetrachloroethene	8.0	U
79-34-5	1,1,2,2-tetrachloroethane	8.0	U
108-88-3	toluene	0.94	J
108-90-7	chlorobenzene	8.0	U
100-41-4	ethylbenzene	8.0	U
100-42-5	styrene	8.0	U
75-71-8	Dichlorodifluoromethane	8.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T312

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 75 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	8.0	U
107-13-1	Acrylonitrile	80.0	U
108-05-4	Vinyl Acetate	20.0	U
107-02-8	Acrolein	80.0	U
74-88-4	Iodomethane	20.0	U
75-05-8	Acetonitrile	40.0	U
107-05-1	Allyl Chloride	40.0	U
126-99-8	2-Chloro-1,3-butadiene	8.0	U
126-98-7	Methacrylonitrile	40.0	U
78-83-1	Isobutyl Alcohol	80.0	U
107-12-0	Propionitrile	80.0	U
74-95-3	Dibromomethane	0.92	J
80-62-6	Methyl methacrylate	3.3	J
106-93-4	1,2-Dibromoethane	8.0	U
630-20-6	1,1,1,2-Tetrachloroethane	8.0	U
96-18-4	1,2,3-Trichloropropane	8.0	U
110-57-6	trans-1,4-Dichloro-2-butene	40.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	11.0	J
96-12-8	1,2-dibromo-3-chloropropane	8.0	U
	xylenes (total)	24.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02CFO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T415

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 75 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	8.0	U
74-83-9	bromomethane	8.0	U
75-01-4	vinyl chloride	8.0	U
75-00-3	chloroethane	8.0	U
75-09-2	methylene chloride	8.0	U
67-64-1	acetone	8.0	U
75-15-0	carbon disulfide	20.0	U
75-35-4	1,1-dichloroethene	8.0	U
75-34-3	1,1-dichloroethane	8.0	U
156-60-5	trans-1,2-dichloroethene	8.0	U
67-66-3	chloroform	8.0	U
107-06-2	1,2-dichloroethane	8.0	U
78-93-3	2-butanone	20.0	U
71-55-6	1,1,1-trichloroethane	8.0	U
56-23-5	carbon tetrachloride	8.0	U
75-27-4	bromodichloromethane	8.0	U
78-87-5	1,2-dichloropropane	8.0	U
10061-01-5	cis-1,3-dichloropropene	8.0	U
79-01-6	trichloroethene	8.0	U
124-48-1	dibromochloromethane	8.0	U
79-00-5	1,1,2-trichloroethane	8.0	U
71-43-2	benzene	8.0	U
10061-02-6	trans-1,3-dichloropropene	8.0	U
75-25-2	bromoform	8.0	U
108-10-1	4-methyl-2-pentanone	20.0	U
591-78-6	2-hexanone	20.0	U
127-18-4	tetrachloroethene	8.0	U
79-34-5	1,1,2,2-tetrachloroethane	8.0	U
108-88-3	toluene	8.0	U
108-90-7	chlorobenzene	8.0	U
100-41-4	ethylbenzene	8.0	U
100-42-5	styrene	8.0	U
75-71-8	Dichlorodifluoromethane	8.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-02CFO

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T415

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 75 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	8.0	U
107-13-1	Acrylonitrile	80.0	U
108-05-4	Vinyl Acetate	20.0	U
107-02-8	Acrolein	80.0	U
74-88-4	Iodomethane	20.0	U
75-05-8	Acetonitrile	40.0	U
107-05-1	Allyl Chloride	40.0	U
126-99-8	2-Chloro-1,3-butadiene	8.0	U
126-98-7	Methacrylonitrile	40.0	U
78-83-1	Isobutyl Alcohol	80.0	U
107-12-0	Propionitrile	80.0	U
74-95-3	Dibromomethane	8.0	U
80-62-6	Methyl methacrylate	40.0	U
106-93-4	1,2-Dibromoethane	8.0	U
630-20-6	1,1,1,2-Tetrachloroethane	8.0	U
96-18-4	1,2,3-Trichloropropane	8.0	U
110-57-6	trans-1,4-Dichloro-2-butene	40.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	80.0	U
96-12-8	1,2-dibromo-3-chloropropane	8.0	U
	xylenes (total)	24.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T405

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. 90 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	20.6	
74-83-9	bromomethane	20.0	U
75-01-4	vinyl chloride	20.0	U
75-00-3	chloroethane	20.0	U
75-09-2	methylene chloride	20.0	U
67-64-1	acetone	20.0	U
75-15-0	carbon disulfide	50.0	U
75-35-4	1,1-dichloroethene	20.0	U
75-34-3	1,1-dichloroethane	20.0	U
156-60-5	trans-1,2-dichloroethene	20.0	U
67-66-3	chloroform	20.0	U
107-06-2	1,2-dichloroethane	20.0	U
78-93-3	2-butanone	50.0	U
71-55-6	1,1,1-trichloroethane	20.0	U
56-23-5	carbon tetrachloride	20.0	U
75-27-4	bromodichloromethane	20.0	U
78-87-5	1,2-dichloropropane	20.0	U
10061-01-5	cis-1,3-dichloropropene	20.0	U
79-01-6	trichloroethene	20.0	U
124-48-1	dibromochloromethane	20.0	U
79-00-5	1,1,2-trichloroethane	20.0	U
71-43-2	benzene	20.0	U
10061-02-6	trans-1,3-dichloropropene	20.0	U
75-25-2	bromoform	20.0	U
108-10-1	4-methyl-2-pentanone	50.0	U
591-78-6	2-hexanone	50.0	U
127-18-4	tetrachloroethene	20.0	U
79-34-5	1,1,2,2-tetrachloroethane	20.0	U
108-88-3	toluene	20.0	U
108-90-7	chlorobenzene	20.0	U
100-41-4	ethylbenzene	20.0	U
100-42-5	styrene	20.0	U
75-71-8	Dichlorodifluoromethane	20.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T405

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. 90 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	20.0	U
107-13-1	Acrylonitrile	200	U
108-05-4	Vinyl Acetate	50.0	U
107-02-8	Acrolein	200	U
74-88-4	Iodomethane	50.0	U
75-05-8	Acetonitrile	100	U
107-05-1	Allyl Chloride	100	U
126-99-8	2-Chloro-1,3-butadiene	20.0	U
126-98-7	Methacrylonitrile	100	U
78-83-1	Isobutyl Alcohol	200	U
107-12-0	Propionitrile	200	U
74-95-3	Dibromomethane	20.0	U
80-62-6	Methyl methacrylate	100	U
106-93-4	1,2-Dibromoethane	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	20.0	U
96-18-4	1,2,3-Trichloropropane	20.0	U
110-57-6	trans-1,4-Dichloro-2-butene	100	U
108-60-1	bis(2-Chloro-isopropyl)ether	200	U
96-12-8	1,2-dibromo-3-chloropropane	20.0	U
----------	xylenes (total)	60	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T509

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. 90 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	20.0	U
74-83-9	bromomethane	20.0	U
75-01-4	vinyl chloride	20.0	U
75-00-3	chloroethane	20.0	U
75-09-2	methylene chloride	2.0	J
67-64-1	acetone	20.0	U
75-15-0	carbon disulfide	50.0	U
75-35-4	1,1-dichloroethene	20.0	U
75-34-3	1,1-dichloroethane	20.0	U
156-60-5	trans-1,2-dichloroethene	20.0	U
67-66-3	chloroform	20.0	U
107-06-2	1,2-dichloroethane	20.0	U
78-93-3	2-butanone	50.0	U
71-55-6	1,1,1-trichloroethane	20.0	U
56-23-5	carbon tetrachloride	20.0	U
75-27-4	bromodichloromethane	20.0	U
78-87-5	1,2-dichloropropane	20.0	U
10061-01-5	cis-1,3-dichloropropene	20.0	U
79-01-6	trichloroethene	20.0	U
124-48-1	dibromochloromethane	20.0	U
79-00-5	1,1,2-trichloroethane	20.0	U
71-43-2	benzene	20.0	U
10061-02-6	trans-1,3-dichloropropene	20.0	U
75-25-2	bromoform	20.0	U
108-10-1	4-methyl-2-pentanone	50.0	U
591-78-6	2-hexanone	50.0	U
127-18-4	tetrachloroethene	20.0	U
79-34-5	1,1,2,2-tetrachloroethane	20.0	U
108-88-3	toluene	20.0	U
108-90-7	chlorobenzene	20.0	U
100-41-4	ethylbenzene	20.0	U
100-42-5	styrene	20.0	U
75-71-8	Dichlorodifluoromethane	20.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1SD-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-08

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T509

Level: (low/med) LOW Date Received: 01/25/96

% Moisture: not dec. 90 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	20.0	U
107-13-1	Acrylonitrile	200	U
108-05-4	Vinyl Acetate	50.0	U
107-02-8	Acrolein	200	U
74-88-4	Iodomethane	50.0	U
75-05-8	Acetonitrile	100	U
107-05-1	Allyl Chloride	100	U
126-99-8	2-Chloro-1,3-butadiene	20.0	U
126-98-7	Methacrylonitrile	100	U
78-83-1	Isobutyl Alcohol	200	U
107-12-0	Propionitrile	200	U
74-95-3	Dibromomethane	20.0	U
80-62-6	Methyl methacrylate	100	U
106-93-4	1,2-Dibromoethane	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	20.0	U
96-18-4	1,2,3-Trichloropropane	20.0	U
110-57-6	trans-1,4-Dichloro-2-butene	100	U
108-60-1	bis(2-Chloro-isopropyl)ether	200	U
96-12-8	1,2-dibromo-3-chloropropane	20.0	U
----------	xylenes (total)	60	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T313

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 68 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.2	U
74-83-9	bromomethane	6.2	U
75-01-4	vinyl chloride	6.2	U
75-00-3	chloroethane	6.2	U
75-09-2	methylene chloride	6.2	U
67-64-1	acetone	6.2	U
75-15-0	carbon disulfide	15.6	U
75-35-4	1,1-dichloroethene	6.2	U
75-34-3	1,1-dichloroethane	6.2	U
156-60-5	trans-1,2-dichloroethene	6.2	U
67-66-3	chloroform	6.2	U
107-06-2	1,2-dichloroethane	6.2	U
78-93-3	2-butanone	15.6	U
71-55-6	1,1,1-trichloroethane	6.2	U
56-23-5	carbon tetrachloride	6.2	U
75-27-4	bromodichloromethane	6.2	U
78-87-5	1,2-dichloropropane	6.2	U
10061-01-5	cis-1,3-dichloropropene	6.2	U
79-01-6	trichloroethene	6.2	U
124-48-1	dibromochloromethane	6.2	U
79-00-5	1,1,2-trichloroethane	6.2	U
71-43-2	benzene	6.2	U
10061-02-6	trans-1,3-dichloropropene	6.2	U
75-25-2	bromoform	6.2	U
108-10-1	4-methyl-2-pentanone	15.6	U
591-78-6	2-hexanone	15.6	U
127-18-4	tetrachloroethene	6.2	U
79-34-5	1,1,2,2-tetrachloroethane	6.2	U
108-88-3	toluene	6.2	U
108-90-7	chlorobenzene	6.2	U
100-41-4	ethylbenzene	6.2	U
100-42-5	styrene	6.2	U
75-71-8	Dichlorodifluoromethane	6.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T313

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 68 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.2	U
107-13-1	Acrylonitrile	62.5	U
108-05-4	Vinyl Acetate	15.6	U
107-02-8	Acrolein	62.5	U
74-88-4	Iodomethane	15.6	U
75-05-8	Acetonitrile	31.2	U
107-05-1	Allyl Chloride	31.2	U
126-99-8	2-Chloro-1,3-butadiene	6.2	U
126-98-7	Methacrylonitrile	31.2	U
78-83-1	Isobutyl Alcohol	62.5	U
107-12-0	Propionitrile	62.5	U
74-95-3	Dibromomethane	6.2	U
80-62-6	Methyl methacrylate	31.2	U
106-93-4	1,2-Dibromoethane	6.2	U
630-20-6	1,1,1,2-Tetrachloroethane	6.2	U
96-18-4	1,2,3-Trichloropropane	6.2	U
110-57-6	trans-1,4-Dichloro-2-butene	31.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	62.5	U
96-12-8	1,2-dibromo-3-chloropropane	6.2	U
----------	xylenes (total)	18.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T416

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 68 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.2	U
74-83-9	bromomethane	6.2	U
75-01-4	vinyl chloride	6.2	U
75-00-3	chloroethane	6.2	U
75-09-2	methylene chloride	6.2	U
67-64-1	acetone	6.2	U
75-15-0	carbon disulfide	15.6	U
75-35-4	1,1-dichloroethene	6.2	U
75-34-3	1,1-dichloroethane	6.2	U
156-60-5	trans-1,2-dichloroethene	6.2	U
67-66-3	chloroform	6.2	U
107-06-2	1,2-dichloroethane	6.2	U
78-93-3	2-butanone	15.6	U
71-55-6	1,1,1-trichloroethane	6.2	U
56-23-5	carbon tetrachloride	6.2	U
75-27-4	bromodichloromethane	6.2	U
78-87-5	1,2-dichloropropane	6.2	U
10061-01-5	cis-1,3-dichloropropene	6.2	U
79-01-6	trichloroethene	6.2	U
124-48-1	dibromochloromethane	6.2	U
79-00-5	1,1,2-trichloroethane	6.2	U
71-43-2	benzene	6.2	U
10061-02-6	trans-1,3-dichloropropene	6.2	U
75-25-2	bromoform	6.2	U
108-10-1	4-methyl-2-pentanone	15.6	U
591-78-6	2-hexanone	15.6	U
127-18-4	tetrachloroethene	6.2	U
79-34-5	1,1,2,2-tetrachloroethane	6.2	U
108-88-3	toluene	6.2	U
108-90-7	chlorobenzene	6.2	U
100-41-4	ethylbenzene	6.2	U
100-42-5	styrene	6.2	U
75-71-8	Dichlorodifluoromethane	6.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T416

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 68 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.2	U
107-13-1	Acrylonitrile	62.5	U
108-05-4	Vinyl Acetate	15.6	U
107-02-8	Acrolein	62.5	U
74-88-4	Iodomethane	15.6	U
75-05-8	Acetonitrile	31.2	U
107-05-1	Allyl Chloride	31.2	U
126-99-8	2-Chloro-1,3-butadiene	6.2	U
126-98-7	Methacrylonitrile	31.2	U
78-83-1	Isobutyl Alcohol	62.5	U
107-12-0	Propionitrile	62.5	U
74-95-3	Dibromomethane	6.2	U
80-62-6	Methyl methacrylate	31.2	U
106-93-4	1,2-Dibromoethane	6.2	U
630-20-6	1,1,1,2-Tetrachloroethane	6.2	U
96-18-4	1,2,3-Trichloropropane	6.2	U
110-57-6	trans-1,4-Dichloro-2-butene	31.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	62.5	U
96-12-8	1,2-dibromo-3-chloropropane	6.2	U
	xylenes (total)	18.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T314

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 67 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.1	U
74-83-9	bromomethane	6.1	U
75-01-4	vinyl chloride	6.1	U
75-00-3	chloroethane	6.1	U
75-09-2	methylene chloride	6.1	U
67-64-1	acetone	6.1	U
75-15-0	carbon disulfide	15.2	U
75-35-4	1,1-dichloroethene	6.1	U
75-34-3	1,1-dichloroethane	6.1	U
156-60-5	trans-1,2-dichloroethene	6.1	U
67-66-3	chloroform	6.1	U
107-06-2	1,2-dichloroethane	6.1	U
78-93-3	2-butanone	15.2	U
71-55-6	1,1,1-trichloroethane	6.1	U
56-23-5	carbon tetrachloride	6.1	U
75-27-4	bromodichloromethane	6.1	U
78-87-5	1,2-dichloropropane	6.1	U
10061-01-5	cis-1,3-dichloropropene	6.1	U
79-01-6	trichloroethene	6.1	U
124-48-1	dibromochloromethane	6.1	U
79-00-5	1,1,2-trichloroethane	6.1	U
71-43-2	benzene	6.1	U
10061-02-6	trans-1,3-dichloropropene	6.1	U
75-25-2	bromoform	6.1	U
108-10-1	4-methyl-2-pentanone	15.2	U
591-78-6	2-hexanone	15.2	U
127-18-4	tetrachloroethene	6.1	U
79-34-5	1,1,2,2-tetrachloroethane	6.1	U
108-88-3	toluene	6.1	U
108-90-7	chlorobenzene	6.1	U
100-41-4	ethylbenzene	6.1	U
100-42-5	styrene	6.1	U
75-71-8	Dichlorodifluoromethane	6.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T314

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 67 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.1	U
107-13-1	Acrylonitrile	60.6	U
108-05-4	Vinyl Acetate	15.2	U
107-02-8	Acrolein	60.6	U
74-88-4	Iodomethane	15.2	U
75-05-8	Acetonitrile	30.3	U
107-05-1	Allyl Chloride	30.3	U
126-99-8	2-Chloro-1,3-butadiene	6.1	U
126-98-7	Methacrylonitrile	30.3	U
78-83-1	Isobutyl Alcohol	60.6	U
107-12-0	Propionitrile	60.6	U
74-95-3	Dibromomethane	6.1	U
80-62-6	Methyl methacrylate	30.3	U
106-93-4	1,2-Dibromoethane	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	6.1	U
96-18-4	1,2,3-Trichloropropane	6.1	U
110-57-6	trans-1,4-Dichloro-2-butene	30.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	60.6	U
96-12-8	1,2-dibromo-3-chloropropane	6.1	U
	xylenes (total)	18.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02CF0

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T417

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 67 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	6.1	U
74-83-9	bromomethane	6.1	U
75-01-4	vinyl chloride	6.1	U
75-00-3	chloroethane	6.1	U
75-09-2	methylene chloride	6.1	U
67-64-1	acetone	6.1	U
75-15-0	carbon disulfide	15.2	U
75-35-4	1,1-dichloroethene	6.1	U
75-34-3	1,1-dichloroethane	6.1	U
156-60-5	trans-1,2-dichloroethene	6.1	U
67-66-3	chloroform	6.1	U
107-06-2	1,2-dichloroethane	6.1	U
78-93-3	2-butanone	15.2	U
71-55-6	1,1,1-trichloroethane	6.1	U
56-23-5	carbon tetrachloride	6.1	U
75-27-4	bromodichloromethane	6.1	U
78-87-5	1,2-dichloropropane	6.1	U
10061-01-5	cis-1,3-dichloropropene	6.1	U
79-01-6	trichloroethene	6.1	U
124-48-1	dibromochloromethane	6.1	U
79-00-5	1,1,2-trichloroethane	6.1	U
71-43-2	benzene	6.1	U
10061-02-6	trans-1,3-dichloropropene	6.1	U
75-25-2	bromoform	6.1	U
108-10-1	4-methyl-2-pentanone	15.2	U
591-78-6	2-hexanone	15.2	U
127-18-4	tetrachloroethene	6.1	U
79-34-5	1,1,2,2-tetrachloroethane	6.1	U
108-88-3	toluene	6.1	U
108-90-7	chlorobenzene	6.1	U
100-41-4	ethylbenzene	6.1	U
100-42-5	styrene	6.1	U
75-71-8	Dichlorodifluoromethane	6.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-02CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T417

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 67 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	6.1	U
107-13-1	Acrylonitrile	60.6	U
108-05-4	Vinyl Acetate	15.2	U
107-02-8	Acrolein	60.6	U
74-88-4	Iodomethane	15.2	U
75-05-8	Acetonitrile	30.3	U
107-05-1	Allyl Chloride	30.3	U
126-99-8	2-Chloro-1,3-butadiene	6.1	U
126-98-7	Methacrylonitrile	30.3	U
78-83-1	Isobutyl Alcohol	60.6	U
107-12-0	Propionitrile	60.6	U
74-95-3	Dibromomethane	6.1	U
80-62-6	Methyl methacrylate	30.3	U
106-93-4	1,2-Dibromoethane	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	6.1	U
96-18-4	1,2,3-Trichloropropane	6.1	U
110-57-6	trans-1,4-Dichloro-2-butene	30.3	U
108-60-1	bis(2-Chloro-isopropyl)ether	60.6	U
96-12-8	1,2-dibromo-3-chloropropane	6.1	U
	xylenes (total)	18.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T315

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 82 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	11.1	U
74-83-9	bromomethane	11.1	U
75-01-4	vinyl chloride	11.1	U
75-00-3	chloroethane	11.1	U
75-09-2	methylene chloride	11.1	U
67-64-1	acetone	11.1	U
75-15-0	carbon disulfide	27.8	U
75-35-4	1,1-dichloroethene	11.1	U
75-34-3	1,1-dichloroethane	11.1	U
156-60-5	trans-1,2-dichloroethene	11.1	U
67-66-3	chloroform	11.1	U
107-06-2	1,2-dichloroethane	11.1	U
78-93-3	2-butanone	27.8	U
71-55-6	1,1,1-trichloroethane	11.1	U
56-23-5	carbon tetrachloride	11.1	U
75-27-4	bromodichloromethane	11.1	U
78-87-5	1,2-dichloropropane	11.1	U
10061-01-5	cis-1,3-dichloropropene	11.1	U
79-01-6	trichloroethene	11.1	U
124-48-1	dibromochloromethane	11.1	U
79-00-5	1,1,2-trichloroethane	11.1	U
71-43-2	benzene	11.1	U
10061-02-6	trans-1,3-dichloropropene	11.1	U
75-25-2	bromoform	11.1	U
108-10-1	4-methyl-2-pentanone	27.8	U
591-78-6	2-hexanone	27.8	U
127-18-4	tetrachloroethene	11.1	U
79-34-5	1,1,2,2-tetrachloroethane	11.1	U
108-88-3	toluene	11.1	U
108-90-7	chlorobenzene	11.1	U
100-41-4	ethylbenzene	11.1	U
100-42-5	styrene	11.1	U
75-71-8	Dichlorodifluoromethane	11.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T315

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 82 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	11.1	U
107-13-1	Acrylonitrile	111	U
108-05-4	Vinyl Acetate	27.8	U
107-02-8	Acrolein	111	U
74-88-4	Iodomethane	27.8	U
75-05-8	Acetonitrile	55.6	U
107-05-1	Allyl Chloride	55.6	U
126-99-8	2-Chloro-1,3-butadiene	11.1	U
126-98-7	Methacrylonitrile	55.6	U
78-83-1	Isobutyl Alcohol	111	U
107-12-0	Propionitrile	111	U
74-95-3	Dibromomethane	11.1	U
80-62-6	Methyl methacrylate	55.6	U
106-93-4	1,2-Dibromoethane	11.1	U
630-20-6	1,1,1,2-Tetrachloroethane	11.1	U
96-18-4	1,2,3-Trichloropropane	11.1	U
110-57-6	trans-1,4-Dichloro-2-butene	55.6	U
108-60-1	bis(2-Chloro-isopropyl)ether	111	U
96-12-8	1,2-dibromo-3-chloropropane	11.1	U
	xylenes (total)	33.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T418

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 82 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	11.1	U
74-83-9	bromomethane	11.1	U
75-01-4	vinyl chloride	11.1	U
75-00-3	chloroethane	11.1	U
75-09-2	methylene chloride	11.1	U
67-64-1	acetone	110	
75-15-0	carbon disulfide	27.8	U
75-35-4	1,1-dichloroethene	11.1	U
75-34-3	1,1-dichloroethane	11.1	U
156-60-5	trans-1,2-dichloroethene	11.1	U
67-66-3	chloroform	11.1	U
107-06-2	1,2-dichloroethane	11.1	U
78-93-3	2-butanone	27.8	U
71-55-6	1,1,1-trichloroethane	11.1	U
56-23-5	carbon tetrachloride	11.1	U
75-27-4	bromodichloromethane	11.1	U
78-87-5	1,2-dichloropropane	11.1	U
10061-01-5	cis-1,3-dichloropropene	11.1	U
79-01-6	trichloroethene	11.1	U
124-48-1	dibromochloromethane	11.1	U
79-00-5	1,1,2-trichloroethane	11.1	U
71-43-2	benzene	11.1	U
10061-02-6	trans-1,3-dichloropropene	11.1	U
75-25-2	bromoform	11.1	U
108-10-1	4-methyl-2-pentanone	27.8	U
591-78-6	2-hexanone	27.8	U
127-18-4	tetrachloroethene	11.1	U
79-34-5	1,1,2,2-tetrachloroethane	11.1	U
108-88-3	toluene	11.1	U
108-90-7	chlorobenzene	11.1	U
100-41-4	ethylbenzene	11.1	U
100-42-5	styrene	11.1	U
75-71-8	Dichlorodifluoromethane	11.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T418

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 82 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	11.1	U
107-13-1	Acrylonitrile	111	U
108-05-4	Vinyl Acetate	27.8	U
107-02-8	Acrolein	111	U
74-88-4	Iodomethane	27.8	U
75-05-8	Acetonitrile	55.6	U
107-05-1	Allyl Chloride	55.6	U
126-99-8	2-Chloro-1,3-butadiene	11.1	U
126-98-7	Methacrylonitrile	55.6	U
78-83-1	Isobutyl Alcohol	111	U
107-12-0	Propionitrile	111	U
74-95-3	Dibromomethane	11.1	U
80-62-6	Methyl methacrylate	55.6	U
106-93-4	1,2-Dibromoethane	11.1	U
630-20-6	1,1,1,2-Tetrachloroethane	11.1	U
96-18-4	1,2,3-Trichloropropane	11.1	U
110-57-6	trans-1,4-Dichloro-2-butene	55.6	U
108-60-1	bis(2-Chloro-isopropyl)ether	111	U
96-12-8	1,2-dibromo-3-chloropropane	11.1	U
	xylenes (total)	33.3	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T316

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 64 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	5.6	U
74-83-9	bromomethane	5.6	U
75-01-4	vinyl chloride	5.6	U
75-00-3	chloroethane	5.6	U
75-09-2	methylene chloride	5.6	U
67-64-1	acetone	2950	E
75-15-0	carbon disulfide	13.9	U
75-35-4	1,1-dichloroethene	5.6	U
75-34-3	1,1-dichloroethane	5.6	U
156-60-5	trans-1,2-dichloroethene	5.6	U
67-66-3	chloroform	5.6	U
107-06-2	1,2-dichloroethane	5.6	U
78-93-3	2-butanone	13.9	U
71-55-6	1,1,1-trichloroethane	5.6	U
56-23-5	carbon tetrachloride	5.6	U
75-27-4	bromodichloromethane	5.6	U
78-87-5	1,2-dichloropropane	5.6	U
10061-01-5	cis-1,3-dichloropropene	5.6	U
79-01-6	trichloroethene	5.6	U
124-48-1	dibromochloromethane	5.6	U
79-00-5	1,1,2-trichloroethane	5.6	U
71-43-2	benzene	5.6	U
10061-02-6	trans-1,3-dichloropropene	5.6	U
75-25-2	bromoform	5.6	U
108-10-1	4-methyl-2-pentanone	13.9	U
591-78-6	2-hexanone	13.9	U
127-18-4	tetrachloroethene	5.6	U
79-34-5	1,1,2,2-tetrachloroethane	5.6	U
108-88-3	toluene	5.6	U
108-90-7	chlorobenzene	5.6	U
100-41-4	ethylbenzene	5.6	U
100-42-5	styrene	5.6	U
75-71-8	Dichlorodifluoromethane	5.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T316

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 64 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	5.6	U
107-13-1	Acrylonitrile	55.6	U
108-05-4	Vinyl Acetate	13.9	U
107-02-8	Acrolein	55.6	U
74-88-4	Iodomethane	13.9	U
75-05-8	Acetonitrile	27.8	U
107-05-1	Allyl Chloride	27.8	U
126-99-8	2-Chloro-1,3-butadiene	5.6	U
126-98-7	Methacrylonitrile	27.8	U
78-83-1	Isobutyl Alcohol	55.6	U
107-12-0	Propionitrile	55.6	U
74-95-3	Dibromomethane	5.6	U
80-62-6	Methyl methacrylate	27.8	U
106-93-4	1,2-Dibromoethane	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
110-57-6	trans-1,4-Dichloro-2-butene	27.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	55.6	U
96-12-8	1,2-dibromo-3-chloropropane	5.6	U
----------	xylenes (total)	16.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04CF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T419

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 64 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	5.6	U
74-83-9	bromomethane	5.6	U
75-01-4	vinyl chloride	5.6	U
75-00-3	chloroethane	5.6	U
75-09-2	methylene chloride	5.6	U
67-64-1	acetone	275	
75-15-0	carbon disulfide	13.9	U
75-35-4	1,1-dichloroethene	5.6	U
75-34-3	1,1-dichloroethane	5.6	U
156-60-5	trans-1,2-dichloroethene	5.6	U
67-66-3	chloroform	5.6	U
107-06-2	1,2-dichloroethane	5.6	U
78-93-3	2-butanone	13.9	U
71-55-6	1,1,1-trichloroethane	5.6	U
56-23-5	carbon tetrachloride	5.6	U
75-27-4	bromodichloromethane	5.6	U
78-87-5	1,2-dichloropropane	5.6	U
10061-01-5	cis-1,3-dichloropropene	5.6	U
79-01-6	trichloroethene	5.6	U
124-48-1	dibromochloromethane	5.6	U
79-00-5	1,1,2-trichloroethane	5.6	U
71-43-2	benzene	5.6	U
10061-02-6	trans-1,3-dichloropropene	5.6	U
75-25-2	bromoform	5.6	U
108-10-1	4-methyl-2-pentanone	13.9	U
591-78-6	2-hexanone	13.9	U
127-18-4	tetrachloroethene	5.6	U
79-34-5	1,1,2,2-tetrachloroethane	5.6	U
108-88-3	toluene	5.6	U
108-90-7	chlorobenzene	5.6	U
100-41-4	ethylbenzene	5.6	U
100-42-5	styrene	5.6	U
75-71-8	Dichlorodifluoromethane	5.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-04CF1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T419

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 64 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	5.6	U
107-13-1	Acrylonitrile	555	U
108-05-4	Vinyl Acetate	13.9	U
107-02-8	Acrolein	555	U
74-88-4	Iodomethane	13.9	U
75-05-8	Acetonitrile	27.8	U
107-05-1	Allyl Chloride	27.8	U
126-99-8	2-Chloro-1,3-butadiene	5.6	U
126-98-7	Methacrylonitrile	27.8	U
78-83-1	Isobutyl Alcohol	555	U
107-12-0	Propionitrile	555	U
74-95-3	Dibromomethane	5.6	U
80-62-6	Methyl methacrylate	27.8	U
106-93-4	1,2-Dibromoethane	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U
96-18-4	1,2,3-Trichloropropane	5.6	U
110-57-6	trans-1,4-Dichloro-2-butene	27.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	555	U
96-12-8	1,2-dibromo-3-chloropropane	5.6	U
----------	xylenes (total)	16.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T317

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	11.8	U
74-83-9	bromomethane	11.8	U
75-01-4	vinyl chloride	11.8	U
75-00-3	chloroethane	11.8	U
75-09-2	methylene chloride	11.8	U
67-64-1	acetone	1820	E
75-15-0	carbon disulfide	29.4	U
75-35-4	1,1-dichloroethene	11.8	U
75-34-3	1,1-dichloroethane	11.8	U
156-60-5	trans-1,2-dichloroethene	11.8	U
67-66-3	chloroform	11.8	U
107-06-2	1,2-dichloroethane	11.8	U
78-93-3	2-butanone	29.4	U
71-55-6	1,1,1-trichloroethane	11.8	U
56-23-5	carbon tetrachloride	11.8	U
75-27-4	bromodichloromethane	11.8	U
78-87-5	1,2-dichloropropane	11.8	U
10061-01-5	cis-1,3-dichloropropene	11.8	U
79-01-6	trichloroethene	11.8	U
124-48-1	dibromochloromethane	11.8	U
79-00-5	1,1,2-trichloroethane	11.8	U
71-43-2	benzene	11.8	U
10061-02-6	trans-1,3-dichloropropene	11.8	U
75-25-2	bromoform	11.8	U
108-10-1	4-methyl-2-pentanone	29.4	U
591-78-6	2-hexanone	29.4	U
127-18-4	tetrachloroethene	11.8	U
79-34-5	1,1,2,2-tetrachloroethane	11.8	U
108-88-3	toluene	11.8	U
108-90-7	chlorobenzene	11.8	U
100-41-4	ethylbenzene	11.8	U
100-42-5	styrene	11.8	U
75-71-8	Dichlorodifluoromethane	11.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T317

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 01/31/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	11.8	U
107-13-1	Acrylonitrile	118	U
108-05-4	Vinyl Acetate	29.4	U
107-02-8	Acrolein	118	U
74-88-4	Iodomethane	29.4	U
75-05-8	Acetonitrile	58.8	U
107-05-1	Allyl Chloride	58.8	U
126-99-8	2-Chloro-1,3-butadiene	11.8	U
126-98-7	Methacrylonitrile	58.8	U
78-83-1	Isobutyl Alcohol	118	U
107-12-0	Propionitrile	118	U
74-95-3	Dibromomethane	11.8	U
80-62-6	Methyl methacrylate	58.8	U
106-93-4	1,2-Dibromoethane	11.8	U
630-20-6	1,1,1,2-Tetrachloroethane	11.8	U
96-18-4	1,2,3-Trichloropropane	11.8	U
110-57-6	trans-1,4-Dichloro-2-butene	58.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	118	U
96-12-8	1,2-dibromo-3-chloropropane	11.8	U
	xylenes (total)	35.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T420

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	11.8	U
74-83-9	bromomethane	11.8	U
75-01-4	vinyl chloride	11.8	U
75-00-3	chloroethane	11.8	U
75-09-2	methylene chloride	11.8	U
67-64-1	acetone	1890	E
75-15-0	carbon disulfide	29.4	U
75-35-4	1,1-dichloroethene	11.8	U
75-34-3	1,1-dichloroethane	11.8	U
156-60-5	trans-1,2-dichloroethene	11.8	U
67-66-3	chloroform	11.8	U
107-06-2	1,2-dichloroethane	11.8	U
78-93-3	2-butanone	29.4	U
71-55-6	1,1,1-trichloroethane	11.8	U
56-23-5	carbon tetrachloride	11.8	U
75-27-4	bromodichloromethane	11.8	U
78-87-5	1,2-dichloropropane	11.8	U
10061-01-5	cis-1,3-dichloropropene	11.8	U
79-01-6	trichloroethene	11.8	U
124-48-1	dibromochloromethane	11.8	U
79-00-5	1,1,2-trichloroethane	11.8	U
71-43-2	benzene	11.8	U
10061-02-6	trans-1,3-dichloropropene	11.8	U
75-25-2	bromoform	11.8	U
108-10-1	4-methyl-2-pentanone	29.4	U
591-78-6	2-hexanone	29.4	U
127-18-4	tetrachloroethene	11.8	U
79-34-5	1,1,2,2-tetrachloroethane	11.8	U
108-88-3	toluene	11.8	U
108-90-7	chlorobenzene	11.8	U
100-41-4	ethylbenzene	11.8	U
100-42-5	styrene	11.8	U
75-71-8	Dichlorodifluoromethane	11.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1T420

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 02/01/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	11.8	U
107-13-1	Acrylonitrile	118	U
108-05-4	Vinyl Acetate	29.4	U
107-02-8	Acrolein	118	U
74-88-4	Iodomethane	29.4	U
75-05-8	Acetonitrile	58.8	U
107-05-1	Allyl Chloride	58.8	U
126-99-8	2-Chloro-1,3-butadiene	11.8	U
126-98-7	Methacrylonitrile	58.8	U
78-83-1	Isobutyl Alcohol	118	U
107-12-0	Propionitrile	118	U
74-95-3	Dibromomethane	11.8	U
80-62-6	Methyl methacrylate	58.8	U
106-93-4	1,2-Dibromoethane	11.8	U
630-20-6	1,1,1,2-Tetrachloroethane	11.8	U
96-18-4	1,2,3-Trichloropropane	11.8	U
110-57-6	trans-1,4-Dichloro-2-butene	58.8	U
108-60-1	bis(2-Chloro-isopropyl)ether	118	U
96-12-8	1,2-dibromo-3-chloropropane	11.8	U
	xylenes (total)	35.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05CF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 4.0 (g/mL) g Lab File ID: 1T508 CPW 2-26-96

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	294	U
74-83-9	bromomethane	294	U
75-01-4	vinyl chloride	294	U
75-00-3	chloroethane	294	U
75-09-2	methylene chloride	294	U
67-64-1	acetone	1950	
75-15-0	carbon disulfide	735	U
75-35-4	1,1-dichloroethene	294	U
75-34-3	1,1-dichloroethane	294	U
156-60-5	trans-1,2-dichloroethene	294	U
67-66-3	chloroform	294	U
107-06-2	1,2-dichloroethane	294	U
78-93-3	2-butanone	735	U
71-55-6	1,1,1-trichloroethane	294	U
56-23-5	carbon tetrachloride	294	U
75-27-4	bromodichloromethane	294	U
78-87-5	1,2-dichloropropane	294	U
10061-01-5	cis-1,3-dichloropropene	294	U
79-01-6	trichloroethene	294	U
124-48-1	dibromochloromethane	294	U
79-00-5	1,1,2-trichloroethane	294	U
71-43-2	benzene	294	U
10061-02-6	trans-1,3-dichloropropene	294	U
75-25-2	bromoform	294	U
108-10-1	4-methyl-2-pentanone	735	U
591-78-6	2-hexanone	735	U
127-18-4	tetrachloroethene	294	U
79-34-5	1,1,2,2-tetrachloroethane	294	U
108-88-3	toluene	294	U
108-90-7	chlorobenzene	294	U
100-41-4	ethylbenzene	294	U
100-42-5	styrene	294	U
75-71-8	Dichlorodifluoromethane	294	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9SD-05CF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61418S

Matrix: (soil/water) SOIL Lab Sample ID: 9601418-07

Sample wt/vol: 4.0 (g/mL) g Lab File ID: 1T508

Level: (low/med) LOW Date Received: 01/23/96

% Moisture: not dec. 83 Date Analyzed: 02/02/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	294	U
107-13-1	Acrylonitrile	2950	U
108-05-4	Vinyl Acetate	735	U
107-02-8	Acrolein	2950	U
74-88-4	Iodomethane	735	U
75-05-8	Acetonitrile	1470	U
107-05-1	Allyl Chloride	1470	U
126-99-8	2-Chloro-1,3-butadiene	294	U
126-98-7	Methacrylonitrile	294	U
78-83-1	Isobutyl Alcohol	2950	U
107-12-0	Propionitrile	2950	U
74-95-3	Dibromomethane	294	U
80-62-6	Methyl methacrylate	1470	U
106-93-4	1,2-Dibromoethane	294	U
630-20-6	1,1,1,2-Tetrachloroethane	294	U
96-18-4	1,2,3-Trichloropropane	294	U
110-57-6	trans-1,4-Dichloro-2-butene	1470	U
108-60-1	bis(2-Chloro-isopropyl)ether	2950	U
96-12-8	1,2-dibromo-3-chloropropane	294	U
	xylenes (total)	882	U

CASE NARRATIVE
SDG 61527W

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

February 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 January 26, 1996, and February 1, 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. Containers for sample TB01-012696 were not custody sealed upon arrival.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
TB01-012696	9601527-01
S3SW-05	9601527-02
S2MW-6	9601527-03
S2MW-7	9601527-04
S2MW-5	9601527-05
S2MW-4	9601527-06
S2MW-1	9601527-07
MW5-1	9601527-08
S2DPGW-01	9601527-09
S1MW-4	9601527-10
S1MW-5	9601527-11
S1MW-6	9601527-12
S1MW-3	9601527-13

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S1DPGW-01	9601527-14
FB03-013196	9601527-15
TB01-013096	9601527-16

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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

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

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

Valerie S. Davis
Project Manager

fc:hali00196.022796

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METALS DATA

SDG 61527W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

The following samples were analyzed for TAL Metals and Cyanide using ILM03.0:

Sample Description	Laboratory Identification
S3SW-5	9601527-02
S2MW-6	9601527-03
S2MW-7	9601527-04
S2MW-5	9601527-05
S2MW-4	9601527-06
S2MW-1	9601527-07
MW-5	9601527-08
S2DPGW-01	9601527-09
SIMW-4	9601527-10
SIMW-5	9601527-11
SIMW-6	9601527-12
SIMW-3	9601527-13
SIMW-4 Matrix Spike (MS)	QC342613 - ICP
	QC339024 - Hg
	QC3 38917- CN
SIMW-4 Duplicate (Dup)	QC336010 - ICP
	QC339023 - Hg
	QC338916- CN
SIMW-4 Post Spike (PS)	QC340195 - ICP
S1DPGW-01	9601527-14
FB03-013196	9601527-15
Blank	QC342612 - ICP
	QC339022 - Hg
	QC338918 - CN
Laboratory Control Sample (LCS)	QC342616- ICP
	QC339025 - Hg
	QC338919- CN
Laboratory Control Sample Duplicate (LCSD)	QC342617 - ICP
	QC338920 - CN

Instrument Calibration

All 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, Calcium, Magnesium, Nickel, and Sodium were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the reporting limit.

No analytes were detected in the method blank for Mercury or Cyanide.

Spike and Duplication Analysis

Six "N" flags resulted from the MS analysis of Barium, Cadmium, Lead, Nickel, Selenium, and Thallium. The PS analysis did not meet the quality control criteria. The Dup met the criteria for recovery. The MS and Dup samples for Mercury and Cyanide met the quality control criteria for recovery and relative percent difference (RPD).

Laboratory Control Sample Analysis

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

Dilutions

All samples, with the exception of FB03-013196, were over the ICP linear range for Sodium and required a 200x dilution. Magnesium was over linear range and required 200x dilutions for samples S2MW-6, S2MW-7, S2MW-5, SIMW-6, SIMW-3, and S1DPGW-01and sample SIMW-4 was diluted 100x. Potassium was over linear range for sample SIMW-4 and required a 100x dilution. No dilutions were required for the Mercury or Cyanide analysis.

Additional Comments

Four "E" flags resulted from the serial dilution analysis of Barium, Calcium, Iron, and Manganese. A matrix interference from high levels of Calcium and Sodium is suspected.

Due to a high relative standard deviation (RSD) for the ICP analysis, the Arsenic results for samples S2MW-5, SIMW-4, SIMW-3, and S1DPGW-01 are suspect. The Thallium results for samples S2MW-6, S2MW-7, and SIMW-5 are also questionable due to the high RSD.

Due to the limitations of the lab qualifier on the EDD, we are experiencing instances that require three qualifiers. Since the field is two character lengths, any additional qualifiers will be added to the comments field.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB03-013196

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-15

Level (low/med): LOW__ Date Received: 01/29/96

% 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	145	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	6.7	B		P
7440-39-3	Barium	15.1	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	45600		E	P
7440-47-3	Chromium	1.9	B		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	3.9	B		P
7439-89-6	Iron	29.2	B	E	P
7439-92-1	Lead	1.8	U	N	P
7439-95-4	Magnesium	4940	B		P
7439-96-5	Manganese	0.92	B	E	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	2.1	B	N	P
7440-09-7	Potassium	15500			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	25600			P
7440-28-0	Thallium	4.5	U	N	P
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	13.4	B		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW5-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-08

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	29.7	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	21.4			P
7440-39-3	Barium___	12.6	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	147000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	246000			P
7439-96-5	Manganese	2.7	B	E	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	3.2	B	N	P
7440-09-7	Potassium	84500			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	1.1	B		P
7440-23-5	Sodium___	2070000			P
7440-28-0	Thallium_	4.5	U	N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	14.2			AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-14

Level (low/med): LOW__ Date Received: 01/29/96

% 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	11.1	U		P
7440-36-0	Antimony	3.4	B		P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	19.1	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	242000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	79.1	B	E	P
7439-92-1	Lead	1.8	U	N	P
7439-95-4	Magnesium	806000	B		P
7439-96-5	Manganese	0.60	U	E	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	1.3	U	N	P
7440-09-7	Potassium	181000			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	6510000			P
7440-28-0	Thallium	4.5	U	N	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	1.4	U		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-13

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	3.7	B		P
7440-38-2	Arsenic__	12.1			P
7440-39-3	Barium___	19.6	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	244000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	76.2	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	825000	B		P
7439-96-5	Manganese	0.60	U	E	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	B	N	P
7440-09-7	Potassium	182000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	6650000			P
7440-28-0	Thallium_	7.0	B	N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	8.7	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SIMW-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-10

Level (low/med): LOW__ Date Received: 01/29/96

% 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	11.1	U		P
7440-36-0	Antimony	6.6	B		P
7440-38-2	Arsenic	17.0			P
7440-39-3	Barium	44.1	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.66	B	N	P
7440-70-2	Calcium	346000		E	P
7440-47-3	Chromium	0.90	U		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	320		E	P
7439-92-1	Lead	1.8	U	N	P
7439-95-4	Magnesium	1390000			P
7439-96-5	Manganese	321		E	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.2	B	N	P
7440-09-7	Potassium	425000	B		P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	12300000			P
7440-28-0	Thallium	20.1		N	P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	1.4	U		P
74-90-8	Cyanide	1.5	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-11

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	5.7	B		P
7440-38-2	Arsenic__	18.3			P
7440-39-3	Barium__	19.4	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	345000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	37.1	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	1070000			P
7439-96-5	Manganese	2.0	B	E	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.5	B	N	P
7440-09-7	Potassium	217000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	1.2	B		P
7440-23-5	Sodium___	8780000			P
7440-28-0	Thallium_	10.9		N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	2.3	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-12

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	5.2	B		P
7440-38-2	Arsenic__	33.3			P
7440-39-3	Barium___	24.0	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	260000		E	P
7440-47-3	Chromium_	1.2	B		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	50.3	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	744000	B		P
7439-96-5	Manganese	44.1		E	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.8	B	N	P
7440-09-7	Potassium	174000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	1.7	B		P
7440-23-5	Sodium___	5900000			P
7440-28-0	Thallium_	4.5	U	N	P
7440-62-2	Vanadium_	0.92	B		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	1.1	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2DPGW-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-09

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	65.6	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	10.4	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	115000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	14.4	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	123000			P
7439-96-5	Manganese	3.4	B	E	P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.0	B	N	P
7440-09-7	Potassium	38400			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	974000	B		P
7440-28-0	Thallium_	4.5	U	N	P
7440-62-2	Vanadium_	0.88	B		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2MW-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-07

Level (low/med): LOW__ Date Received: 01/29/96

% 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	93.9	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	4.9	U		P
7440-39-3	Barium	10.6	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.40	U	N	P
7440-70-2	Calcium	114000		E	P
7440-47-3	Chromium	0.97	B		P
7440-48-4	Cobalt	0.80	U		P
7440-50-8	Copper	1.2	U		P
7439-89-6	Iron	37.0	B	E	P
7439-92-1	Lead	1.8	U	N	P
7439-95-4	Magnesium	124000			P
7439-96-5	Manganese	4.1	B	E	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	2.7	B	N	P
7440-09-7	Potassium	39000			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	985000	B		P
7440-28-0	Thallium	4.5	U	N	P
7440-62-2	Vanadium	0.88	B		P
7440-66-6	Zinc	5.2	B		P
74-90-8	Cyanide	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2MW-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-06

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	16.5	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	184000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	97.4	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	355000			P
7439-96-5	Manganese	10.3	B	E	P
7439-97-6	Mercury__	0.13	B		AV
7440-02-0	Nickel___	1.7	B	N	P
7440-09-7	Potassium	112000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	3420000			P
7440-28-0	Thallium_	4.5	U	N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	2.4	B		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2MW-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-05

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	11.2			P
7440-39-3	Barium__	21.1	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	192000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	90.8	B	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	585000	B		P
7439-96-5	Manganese	25.1		E	P
7439-97-6	Mercury__	0.13	B		AV
7440-02-0	Nickel___	6.0	B	N	P
7440-09-7	Potassium	153000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	4830000			P
7440-28-0	Thallium_	6.7	B	N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2MW-6

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-03

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P_
7440-36-0	Antimony_	2.6	U		P_
7440-38-2	Arsenic__	10.9			P_
7440-39-3	Barium___	34.3	B	EN	P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	0.40	U	N	P_
7440-70-2	Calcium__	243000		E	P_
7440-47-3	Chromium_	0.90	U		P_
7440-48-4	Cobalt___	0.80	U		P_
7440-50-8	Copper___	1.2	U		P_
7439-89-6	Iron____	179		E	P_
7439-92-1	Lead____	1.8	U	N	P_
7439-95-4	Magnesium	719000	B		P_
7439-96-5	Manganese	11.8	B	E	P_
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	6.2	B	N	P_
7440-09-7	Potassium	178000			P_
7782-49-2	Selenium_	4.8	U	N	P_
7440-22-4	Silver___	0.70	U		P_
7440-23-5	Sodium___	6010000			P_
7440-28-0	Thallium_	10.5		N	P_
7440-62-2	Vanadium_	4.5	B		P_
7440-66-6	Zinc____	1.4	U		P_
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S2MW-7

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-04

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	11.1	U		P
7440-36-0	Antimony_	4.2	B		P
7440-38-2	Arsenic__	14.5			P
7440-39-3	Barium___	18.7	B	EN	P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U	N	P
7440-70-2	Calcium__	210000		E	P
7440-47-3	Chromium_	0.90	U		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	3.0	U	E	P
7439-92-1	Lead____	1.8	U	N	P
7439-95-4	Magnesium	653000	B		P
7439-96-5	Manganese	0.60	U	E	P
7439-97-6	Mercury__	0.13	B		AV
7440-02-0	Nickel___	6.2	B	N	P
7440-09-7	Potassium	169000			P
7782-49-2	Selenium_	4.8	U	N	P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	5460000			P
7440-28-0	Thallium_	11.7		N	P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	1.4	U		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S3SW-05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 61527W

Matrix (soil/water): WATER Lab Sample ID: 9601527-02

Level (low/med): LOW__ Date Received: 01/29/96

% 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_	24.6	B		P_
7440-36-0	Antimony_	2.6	U		P_
7440-38-2	Arsenic__	4.9	U		P_
7440-39-3	Barium__	8.0	B	EN	P_
7440-41-7	Beryllium	0.30	U		P_
7440-43-9	Cadmium__	0.40	U	N	P_
7440-70-2	Calcium__	151000		E	P_
7440-47-3	Chromium_	0.90	U		P_
7440-48-4	Cobalt___	0.80	U		P_
7440-50-8	Copper___	1.2	U		P_
7439-89-6	Iron____	27.3	B	E	P_
7439-92-1	Lead____	1.8	U	N	P_
7439-95-4	Magnesium	303000			P_
7439-96-5	Manganese	0.60	U	E	P_
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U	N	P_
7440-09-7	Potassium	103000			P_
7782-49-2	Selenium_	4.8	U	N	P_
7440-22-4	Silver___	0.70	U		P_
7440-23-5	Sodium___	2770000			P_
7440-28-0	Thallium_	4.8	B	N	P_
7440-62-2	Vanadium_	0.70	U		P_
7440-66-6	Zinc____	1.4	U		P_
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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HERBICIDE DATA

CASE NARRATIVE
SDG 61527W
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
S2MW-6	9601527-03
S2MW-7	9601527-04
S2MW-5	9601527-05
S2MW-4	9601527-06
S2MW-1	9601527-07
MW5-1	9601527-08
S2DPGW-1	9601527-09
S1MW-4	9601527-10
S1MW-5	9601527-11
S1MW-6	9601527-12
S1MW-3	9601527-13
S1DPGW-01	9601527-14
FB03-013196	9601527-15
Blank	QC338949
Laboratory Control Sample (LCS)	QC338950
Laboratory Control Sample Duplicate (LCSD)	QC338951
S1MW-4 Matrix Spike (MS)	QC338952
S1MW-4 Matrix Spike Duplicate (MSD)	QC337645

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

Silvex is reported from the confirmation column due to interference on the primary column.

Blank Analysis

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

Spike Analysis

The MS was diluted due to matrix interference. The LCS and LCSD can be used to demonstrate accuracy and precision. The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples. However, samples MW5-1, S2DPGW-1, S1MW-4, and S1MW-6 required further dilutions of 200x due to matrix interference.

Additional Comments

The calibration curve for 2,4,5-T failed the acceptance criteria on the confirmation column. All values for this compound were reported from the primary column (reporting column). 2,4,5-T was not detected in any of the samples.

The matrix spike dup for this SDG was dropped during preparation. The MS and MSD were re-extracted and the data will be included in a later SDG.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB03-013196

Name: GENERAL ENGINEERING LABOR Contract:

L. Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 940 (g/mL) mL Lab File ID: APBYB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.11	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW5-1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-08

Sample wt/vol: 980 (g/mL) mL Lab File ID: APBYB12

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (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	4.1	U
95-76-5	2,4,5-T	4.1	U
93-72-1	SILVEX	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S1DPGW-01

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 940 (g/mL) mL Lab File ID: APBYB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.11	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SIMW-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 970 (g/mL) mL Lab File ID: APBYB18

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SIMW-4

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 950 (g/mL) mL Lab File ID: APBYB15

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (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	4.2	U
95-76-5	2,4,5-T	4.2	U
93-72-1	SILVEX	2.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SIMW-5

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 950 (g/mL) mL Lab File ID: APBYB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SIMW-6

Name: GENERAL ENGINEERING LABOR Contract:

La. Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 960 (g/mL) mL Lab File ID: APBYB17

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (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	4.2	U
95-76-5	2,4,5-T	4.2	U
93-72-1	SILVEX	2.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2DPGW-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-09

Sample wt/vol: 940 (g/mL) mL Lab File ID: APBYB14

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (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	4.2	U
95-76-5	2,4,5-T	4.2	U
93-72-1	SILVEX	2.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2MW-1

1 Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-07

Sample wt/vol: 950 (g/mL) mL Lab File ID: APBYB11

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2MW-4

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-06

Sample wt/vol: 970 (g/mL) mL Lab File ID: APBYB10

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2MW-5

1 Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-05

Sample wt/vol: 960 (g/mL) mL Lab File ID: APBYB9

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-03

Sample wt/vol: 960 (g/mL) mL Lab File ID: APBYB7

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S2MW-7

I Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-04

Sample wt/vol: 940 (g/mL) mL Lab File ID: APBYB8

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/26/96

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	0.21	U
95-76-5	2,4,5-T	0.21	U
93-72-1	SILVEX	0.11	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 61527W
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
S2MW-6	9601527-03
S2MW-7	9601527-04
S2MW-5	9601527-05
S2MW-4	9601527-06
S2MW-1	9601527-07
MW5-1	9601527-08
S2DPGW-1	9601527-09
S1MW-4	9601527-10
S1MW-5	9601527-11
S1MW-6	9601527-12
S1MW-3	9601527-13
S1DPGW-01	9601527-14
FB03-013196	9601527-15
Blank	QC338944
Laboratory Control Sample (LCS)	QC338945
Laboratory Control Sample Duplicate (LCSD)	QC338946
S1MW-4 Matrix Spike (MS)	QC338947
S1MW-4 Matrix Spike Duplicate (MSD)	QC338948

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

Surrogates were diluted out for samples S2MW-6, MW5-1, S1MW-6, S2MW-7, S1MW-5, and S1MW-3, due to matrix interference.

Blank Analysis

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

Spike Analysis

The MS failed recovery criteria for Aldrin, Dieldrin, and Endrin. The MSD failed quality relative percent difference (RPD) criteria for all compounds. The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Sample S2MW-6 was analyzed at dilutions of 10x and 20x in order to quanitate target analytes within the calibration range of the analytical equipment. Samples S2MW-7, S1MW-5, and S1MW-6 were analyzed at 20x dilutions, sample S1MW-3 was analyzed at a 10x dilution, and sample MW5-1 was analyzed at a 50x dilution, due to matrix interference.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB03-013196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 995 (g/mL) mL Lab File ID: BKJVB39

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.025	
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC (Lindane)	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	0.046	P
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.034	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	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

FB03-013196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 995 (g/mL) mL Lab File ID: BKJVB39

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

MW5-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-08

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB31

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

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	1.1	P
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC (Lindane)	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	1.7	JP
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	12.7	
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	2.0	U
72-43-5	Methoxychlor	10.2	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	51.3	U
12674-11-2	Aroclor-1016	6.4	U
11104-28-2	Aroclor-1221	6.4	U
1114-16-5	Aroclor-1232	6.4	U
53469-21-9	Aroclor-1242	6.4	U
12672-29-6	Aroclor-1248	6.4	U
11097-69-1	Aroclor-1254	6.4	U
11096-82-5	Aroclor-1260	6.4	U
57-74-9	Chlordane (tech.)	12.8	U
298-02-2	Phorate	2.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

MW5-1DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-08

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB31

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

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
298-00-0	Methyl Parathion	2.6	U
56-38-2	Parathion	2.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: BKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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 (Lindane)	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: BKJVB24

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-3DL2

ıb Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 920 (g/mL) mL Lab File ID: BKJVB22

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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	0.22	U
319-85-7	beta-BHC	0.22	U
319-86-8	delta-BHC	0.22	U
58-89-9	gamma-BHC (Lindane)	0.22	U
76-44-8	Heptachlor	0.22	U
309-00-2	Aldrin	0.22	U
1024-57-3	Heptachlor epoxide	0.22	U
959-98-8	Endosulfan I	0.22	U
60-57-1	Dieldrin	0.43	U
72-55-9	4,4'-DDE	0.43	U
72-20-8	Endrin	0.43	U
33213-65-9	Endosulfan II	0.43	U
72-54-8	4,4'-DDD	0.43	U
1031-07-8	Endosulfan sulfate	0.43	U
50-29-3	4,4'-DDT	0.43	U
72-43-5	Methoxychlor	2.2	U
7421-93-4	Endrin aldehyde	0.43	U
8001-35-2	Toxaphene	10.9	U
12674-11-2	Aroclor-1016	1.4	U
11104-28-2	Aroclor-1221	1.4	U
1114-16-5	Aroclor-1232	1.4	U
53469-21-9	Aroclor-1242	1.4	U
12672-29-6	Aroclor-1248	1.4	U
11097-69-1	Aroclor-1254	1.4	U
11096-82-5	Aroclor-1260	1.4	U
57-74-9	Chlordane (tech.)	2.7	U
298-02-2	Phorate	0.54	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-3DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 920 (g/mL) mL Lab File ID: BKJVB22

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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
298-00-0	Methyl Parathion	0.54	U
56-38-2	Parathion	0.54	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 820 (g/mL) mL Lab File ID: BKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.024	U
319-85-7	beta-BHC	0.024	U
319-86-8	delta-BHC	0.024	U
58-89-9	gamma-BHC (Lindane)	0.024	U
76-44-8	Heptachlor	0.024	U
309-00-2	Aldrin	0.036	P
1024-57-3	Heptachlor epoxide	0.024	U
959-98-8	Endosulfan I	0.024	U
60-57-1	Dieldrin	0.068	P
72-55-9	4,4'-DDE	0.049	U
72-20-8	Endrin	0.049	U
33213-65-9	Endosulfan II	0.049	U
72-54-8	4,4'-DDD	0.049	U
1031-07-8	Endosulfan sulfate	0.049	U
50-29-3	4,4'-DDT	0.049	U
72-43-5	Methoxychlor	0.24	U
7421-93-4	Endrin aldehyde	0.049	U
8001-35-2	Toxaphene	1.2	U
12674-11-2	Aroclor-1016	0.15	U
11104-28-2	Aroclor-1221	0.15	U
1114-16-5	Aroclor-1232	0.15	U
53469-21-9	Aroclor-1242	0.15	U
12672-29-6	Aroclor-1248	0.15	U
11097-69-1	Aroclor-1254	0.15	U
11096-82-5	Aroclor-1260	0.15	U
57-74-9	Chlordane (tech.)	0.30	U
298-02-2	Phorate	0.061	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 820 (g/mL) mL Lab File ID: BKJVB19

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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
298-00-0	Methyl Parathion	0.020	JP
56-38-2	Parathion	0.061	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-5DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 930 (g/mL) mL Lab File ID: BKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
319-84-6	alpha-BHC	0.43	U
319-85-7	beta-BHC	0.43	U
319-86-8	delta-BHC	0.43	U
58-89-9	gamma-BHC (Lindane)	0.43	U
76-44-8	Heptachlor	0.43	U
309-00-2	Aldrin	0.43	U
1024-57-3	Heptachlor epoxide	0.43	U
959-98-8	Endosulfan I	0.43	U
60-57-1	Dieldrin	0.86	U
72-55-9	4,4'-DDE	0.86	U
72-20-8	Endrin	0.86	U
33213-65-9	Endosulfan II	0.86	U
72-54-8	4,4'-DDD	0.86	U
1031-07-8	Endosulfan sulfate	0.86	U
50-29-3	4,4'-DDT	0.86	U
72-43-5	Methoxychlor	4.3	U
7421-93-4	Endrin aldehyde	0.86	U
8001-35-2	Toxaphene	21.5	U
12674-11-2	Aroclor-1016	2.7	U
11104-28-2	Aroclor-1221	2.7	U
1114-16-5	Aroclor-1232	2.7	U
53469-21-9	Aroclor-1242	2.7	U
12672-29-6	Aroclor-1248	2.7	U
11097-69-1	Aroclor-1254	2.7	U
11096-82-5	Aroclor-1260	2.7	U
57-74-9	Chlordane (tech.)	5.4	U
298-02-2	Phorate	1.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-5DL2

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 930 (g/mL) mL Lab File ID: BKJVB20

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
298-00-0	Methyl Parathion	1.1	U
56-38-2	Parathion	1.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-6DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1030 (g/mL) mL Lab File ID: BKJVB36

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

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/L	Q
319-84-6	alpha-BHC	0.39	U
319-85-7	beta-BHC	0.39	U
319-86-8	delta-BHC	0.39	U
58-89-9	gamma-BHC (Lindane)	0.39	U
76-44-8	Heptachlor	0.39	U
309-00-2	Aldrin	0.39	U
1024-57-3	Heptachlor epoxide	0.39	U
959-98-8	Endosulfan I	0.39	U
60-57-1	Dieldrin	0.78	U
72-55-9	4,4'-DDE	0.78	U
72-20-8	Endrin	0.78	U
33213-65-9	Endosulfan II	0.78	U
72-54-8	4,4'-DDD	0.78	U
1031-07-8	Endosulfan sulfate	0.78	U
50-29-3	4,4'-DDT	0.78	U
72-43-5	Methoxychlor	3.9	U
7421-93-4	Endrin aldehyde	0.78	U
8001-35-2	Toxaphene	19.4	U
12674-11-2	Aroclor-1016	2.4	U
11104-28-2	Aroclor-1221	2.4	U
1114-16-5	Aroclor-1232	2.4	U
53469-21-9	Aroclor-1242	2.4	U
12672-29-6	Aroclor-1248	2.4	U
11097-69-1	Aroclor-1254	2.4	U
11096-82-5	Aroclor-1260	2.4	U
57-74-9	Chlordane (tech.)	4.8	U
298-02-2	Phorate	0.97	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

SIMW-6DL1

'b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1030 (g/mL) mL Lab File ID: BKJVB36

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

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/L	Q
298-00-0	Methyl Parathion	0.97	U
56-38-2	Parathion	0.97	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2DPGW-01

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-09

Sample wt/vol: 965 (g/mL) mL Lab File ID: BKJVB33

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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 (Lindane)	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 (tech.)	0.26	U
298-02-2	Phorate	0.052	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2DPGW-01

›b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-09

Sample wt/vol: 965 (g/mL) mL Lab File ID: BKJVB33

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
298-00-0	Methyl Parathion	0.052	U
56-38-2	Parathion	0.052	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-07

Sample wt/vol: 1015 (g/mL) mL Lab File ID: BKJVB30

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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 (Lindane)	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	0.039	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 (tech.)	0.25	U
298-02-2	Phorate	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-07

Sample wt/vol: 1015 (g/mL) mL Lab File ID: BKJVB30

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
298-00-0	Methyl Parathion	0.049	U
56-38-2	Parathion	0.049	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-4

·b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-06

Sample wt/vol: 950 (g/mL) mL Lab File ID: BKJVB18

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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 (Lindane)	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	0.042	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 (tech.)	0.26	U
298-02-2	Phorate	0.053	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-06

Sample wt/vol: 950 (g/mL) mL Lab File ID: BKJVB18

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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
298-00-0	Methyl Parathion	0.053	U
56-38-2	Parathion	0.053	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-5

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-05

Sample wt/vol: 990 (g/mL) mL Lab File ID: BKJVB17

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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 (Lindane)	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	0.039	P
60-57-1	Dieldrin	0.040	U
72-55-9	4,4'-DDE	0.044	P
72-20-8	Endrin	0.034	JP
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	0.13	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 (tech.)	0.25	U
298-02-2	Phorate	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-05

Sample wt/vol: 990 (g/mL) mL Lab File ID: BKJVB17

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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
298-00-0	Methyl Parathion	0.050	U
56-38-2	Parathion	0.050	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-6DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-03

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
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 (Lindane)	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	0.41	U
72-55-9	4,4'-DDE	0.41	U
72-20-8	Endrin	0.41	U
33213-65-9	Endosulfan II	0.41	U
72-54-8	4,4'-DDD	0.41	U
1031-07-8	Endosulfan sulfate	0.41	U
50-29-3	4,4'-DDT	5.0	E
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.41	U
8001-35-2	Toxaphene	10.2	U
12674-11-2	Aroclor-1016	1.3	U
11104-28-2	Aroclor-1221	1.3	U
1114-16-5	Aroclor-1232	1.3	U
53469-21-9	Aroclor-1242	1.3	U
12672-29-6	Aroclor-1248	1.3	U
11097-69-1	Aroclor-1254	1.3	U
11096-82-5	Aroclor-1260	1.3	U
57-74-9	Chlordane (tech.)	2.6	U
298-02-2	Phorate	0.51	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-6DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-03

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB26

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
298-00-0	Methyl Parathion	0.51	U
56-38-2	Parathion	0.51	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-6DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-03

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB15

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
319-84-6	alpha-BHC	0.41	U
319-85-7	beta-BHC	0.41	U
319-86-8	delta-BHC	0.41	U
58-89-9	gamma-BHC (Lindane)	0.41	U
76-44-8	Heptachlor	0.41	U
309-00-2	Aldrin	0.41	U
1024-57-3	Heptachlor epoxide	0.41	U
959-98-8	Endosulfan I	0.41	U
60-57-1	Dieldrin	0.82	U
72-55-9	4,4'-DDE	0.82	U
72-20-8	Endrin	0.82	U
33213-65-9	Endosulfan II	0.82	U
72-54-8	4,4'-DDD	0.82	U
1031-07-8	Endosulfan sulfate	0.82	U
50-29-3	4,4'-DDT	4.8	
72-43-5	Methoxychlor	4.1	U
7421-93-4	Endrin aldehyde	0.82	U
8001-35-2	Toxaphene	20.5	U
12674-11-2	Aroclor-1016	2.6	U
11104-28-2	Aroclor-1221	2.6	U
1114-16-5	Aroclor-1232	2.6	U
53469-21-9	Aroclor-1242	2.6	U
12672-29-6	Aroclor-1248	2.6	U
11097-69-1	Aroclor-1254	2.6	U
11096-82-5	Aroclor-1260	2.6	U
57-74-9	Chlordane (tech.)	5.1	U
298-02-2	Phorate	1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-6DL2

'b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-03

Sample wt/vol: 975 (g/mL) mL Lab File ID: BKJVB15

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
298-00-0	Methyl Parathion	1.0	U
56-38-2	Parathion	1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-7DL2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-04

Sample wt/vol: 980 (g/mL) mL Lab File ID: BKJVB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
319-84-6	alpha-BHC	0.41	U
319-85-7	beta-BHC	0.41	U
319-86-8	delta-BHC	0.41	U
58-89-9	gamma-BHC (Lindane)	0.41	U
76-44-8	Heptachlor	0.41	U
309-00-2	Aldrin	0.41	U
1024-57-3	Heptachlor epoxide	0.41	U
959-98-8	Endosulfan I	0.41	U
60-57-1	Dieldrin	0.82	U
72-55-9	4,4'-DDE	0.82	U
72-20-8	Endrin	0.82	U
33213-65-9	Endosulfan II	0.82	U
72-54-8	4,4'-DDD	0.82	U
1031-07-8	Endosulfan sulfate	0.82	U
50-29-3	4,4'-DDT	0.82	U
72-43-5	Methoxychlor	4.1	U
7421-93-4	Endrin aldehyde	0.82	U
8001-35-2	Toxaphene	20.4	U
12674-11-2	Aroclor-1016	2.6	U
11104-28-2	Aroclor-1221	2.6	U
1114-16-5	Aroclor-1232	2.6	U
53469-21-9	Aroclor-1242	2.6	U
12672-29-6	Aroclor-1248	2.6	U
11097-69-1	Aroclor-1254	2.6	U
11096-82-5	Aroclor-1260	2.6	U
57-74-9	Chlordane (tech.)	5.1	U
298-02-2	Phorate	1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

S2MW-7DL2

·b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-04

Sample wt/vol: 980 (g/mL) mL Lab File ID: BKJVB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 01/29/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/02/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/21/96

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/L	Q
298-00-0	Methyl Parathion	1.0	U
56-38-2	Parathion	1.0	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61527W
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
S1MW-4	9601527-10
S1MW-5	9601527-11
S1MW-6	9601527-12
S1MW-3	9601527-13
S1DPGW-01	9601527-14
FB03-013196	9601527-15
Blank	QC339260
Laboratory Control Sample (LCS)	QC339261
Laboratory Control Sample Duplicate (LCSD)	QC339262
S1MW-4 Matrix Spike (MS)	QC339263
S1MW-4 Matrix Spike Duplicate (MSD)	QC339264
Blank	QC343447
LCS	QC343448
LCSD	QC343449
S3MW-1 (MS)	QC343450
S3MW-1 (MSD)	QC343451

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

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

Holding Times

All samples were initially analyzed within the technical holding times. However, samples S1MW-6, S1MW-3, and FB03-013196 were re-extracted out of holding due to initial surrogate failure. A Nonconformance Report (GEL-AS-OA-2194) has been generated and is included in the package.

Surrogate Analysis

Samples S1MW-6, S1MW-3, and FB03-013196 did not meet the acid surrogate recovery criteria. The samples were re-extracted out of holding (for the acid fraction only), and the re-analyses met acid surrogate recovery criteria for samples S1MW-6 and S1MW-3. The re-analysis for sample FB03-013196 also failed acid surrogate recovery criteria, confirming matrix interference. Data from both analyses are reported on the forms and EDD.

Internal Standards

Sample S1DPGW-01, initially analyzed undiluted, failed internal standard recovery criteria. The sample was ra-analyzed at a 4x dilution and internal standard criteria was met.

Blank Analysis

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

Spike Analysis

The initial undiluted MS (QC339263) and MSD (QC339264) met quality control criteria for recoveries and relative percent difference (RPD). However, the MS and MSD were re-analyzed at 10x dilutions due to overranged hits of Naphthalene. The re-analyses did not meet recovery and RPD criteria. The second MS (QC343450) and MSD (QC343451) met recovery and RPD criteria. Note, the sample spiked with the re-extracted samples is a Brown & Root sample not included in this SDG. The MS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

Sample S1DPGW-01 was analyzed at a 4x dilution due to internal standard failure. Sample S1MW-4, the MS (QC339263) and MSD (QC339264) were analyzed at 10x dilutions in order to quanitate target analytes within the calibration range of the analytical equipment.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB03-013196

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4H217

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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.

FB03-013196

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4H217

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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.

FB03-013196

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4H217

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

FB03-013196

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 4H217

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB03-013196RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H518

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	9.9	U
95-48-7	2-methylphenol	9.9	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	9.9	U
67-72-1	hexachloroethane	9.9	U
98-95-3	nitrobenzene	9.9	U
87-68-3	hexachlorobutadiene	9.9	U
88-06-2	2,4,6-trichlorophenol	9.9	U
95-95-4	2,4,5-trichlorophenol	9.9	U
121-14-2	2,4-dinitrotoluene	9.9	U
118-74-1	hexachlorobenzene	9.9	U
87-86-5	pentachlorophenol	9.9	U
62-53-3	aniline	9.9	U
108-95-2	phenol	9.9	U
111-44-4	bis(2-chloroethyl)ether	9.9	U
95-57-8	2-chlorophenol	9.9	U
541-73-1	1,3-dichlorobenzene	9.9	U
106-46-7	1,4-dichlorobenzene	9.9	U
100-51-6	benzyl alcohol	9.9	U
95-50-1	1,2-dichlorobenzene	9.9	U
98-86-2	acetophenone	9.9	U
621-64-7	N-nitroso-di-n-propylamine	9.9	U
78-59-1	isophorone	9.9	U
88-75-5	2-nitrophenol	9.9	U
105-67-9	2,4-dimethylphenol	9.9	U
111-91-1	bis(2-chloroethoxy)methane	9.9	U
120-83-2	2,4-dichlorophenol	9.9	U
120-82-1	1,2,4-trichlorobenzene	9.9	U
91-20-3	naphthalene	9.9	U
106-47-8	4-chloroaniline	9.9	U
59-50-7	4-chloro-3-methylphenol	9.9	U
91-57-6	2-methylnaphthalene	9.9	U
77-47-4	hexachlorocyclopentadiene	9.9	U
91-58-7	2-chloronaphthalene	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	9.9	U
131-11-3	dimethylphthalate	9.9	U
209-96-8	acenaphthylene	9.9	U
606-20-2	2,6-dinitrotoluene	9.9	U
99-09-2	3-nitroaniline	9.9	U
83-32-9	acenaphthene	9.9	U
51-28-5	2,4-dinitrophenol	19.8	U
132-64-9	dibenzofuran	9.9	U
100-02-7	4-nitrophenol	19.8	U
84-66-2	diethylphthalate	9.9	U
7005-72-3	4-chlorophenylphenylether	9.9	U
86-73-7	fluorene	9.9	U
100-01-6	4-nitroaniline	9.9	U
534-52-1	4,6-dinitro-2-methylphenol	9.9	U
86-30-6	N-nitroso-diphenylamine	9.9	U
101-55-3	4-bromophenylphenylether	9.9	U
85-01-8	phenanthrene	9.9	U
120-12-7	anthracene	9.9	U
84-74-2	di-n-butylphthalate	9.9	U
206-44-0	fluoranthene	9.9	U
129-00-0	pyrene	9.9	U
85-68-7	butylbenzylphthalate	9.9	U
91-94-1	3,3'-dichlorobenzidine	49.5	U
56-55-3	benzo(a)anthracene	9.9	U
218-01-9	chrysene	9.9	U
117-81-7	bis(2-ethylhexyl)phthalate	9.9	U
117-84-0	di-n-octylphthalate	9.9	U
205-99-2	benzo(b)fluoranthene	9.9	U
207-08-9	benzo(k)fluoranthene	9.9	U
50-32-8	benzo(a)pyrene	9.9	U
193-39-5	indeno(1,2,3-cd)pyrene	9.9	U
53-70-3	dibenz(a,h)anthracene	9.9	U
191-24-2	benzo(g,h,i)perylene	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	9.9	U
123-91-1	1,4-dioxane	9.9	U
80-62-6	methyl methacrylate	9.9	U
97-63-2	ethyl methacrylate	9.9	U
109-06-8	2-picoline	9.9	U
10595-95-6	n-nitrosomethylethylamine	9.9	U
66-27-3	methyl methanesulfonate	9.9	U
55-18-5	n-nitrosodiethylamine	9.9	U
62-50-0	ethyl methanesulfonate	9.9	U
76-01-7	pentachloroethane	9.9	U
930-55-2	n-nitrosopyrrolidine	9.9	U
59-89-2	n-nitrosomorpholine	9.9	U
95-53-4	o-toluidine	9.9	U
100-75-4	n-nitrosopiperdine	9.9	U
122-09-8	a,a-dimethylphenethylamine	9.9	U
126-68-1	triethylphosphorothioate	9.9	U
87-65-0	2,6-dichlorophenol	9.9	U
1888-71-7	hexachloropropene	9.9	U
106-50-3	p-phenylenediamine	19.8	U
924-16-3	n-nitroso-di-n-butylamine	9.9	U
94-59-7	safrole	9.9	U
634-90-2	1,2,4,5-tetrachlorobenzene	9.9	U
120-58-1	isosafrole	9.9	U
130-15-4	1,4-naphthoquinone	9.9	U
99-65-0	m-dinitrobenzene	9.9	U
608-93-5	pentachlorobenzene	9.9	U
134-32-7	1-naphthylamine	9.9	U
91-59-8	2-naphthylamine	9.9	U
58-90-2	2,3,4,6-tetrachlorophenol	9.9	U
99-55-8	5-nitro-o-toluidine	9.9	U
297-97-2	thionazine	9.9	U
122-39-4	diphenylamine	9.9	U
3689-24-5	sulfotepp	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	49.5	U
62-44-2	phenacetin	9.9	U
2303-16-4	diallate	9.9	U
60-51-5	dimethoate	49.5	U
92-67-1	4-aminobiphenyl	9.9	U
82-68-8	pentachloronitrobenzene	9.9	U
23950-58-5	pronamide	9.9	U
88-85-7	dinoseb	9.9	U
298-04-4	disulfoton	9.9	U
56-57-5	4-nitroquinoline-1-oxide	9.9	U
135-23-9	methapyrilene	49.5	U
465-73-6	isodrin	9.9	U
140-57-8	aramite	9.9	U
143-50-0	kepone	9.9	U
60-11-7	p-(dimethylamino)azobenzene	9.9	U
510-15-6	chlorobenzilate	49.5	U
119-93-7	3,3'-dimethylbenzidine	49.5	U
52-85-7	famphur	9.9	U
53-96-3	2-acetylaminofluorene	9.9	U
57-97-6	7,12-dimethylbenz(a)anthracene	9.9	U
59-49-5	3-methylcholanthrene	9.9	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 3H315

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	39.6	U
95-48-7	2-methylphenol	39.6	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	39.6	U
67-72-1	hexachloroethane	39.6	U
98-95-3	nitrobenzene	39.6	U
87-68-3	hexachlorobutadiene	39.6	U
88-06-2	2,4,6-trichlorophenol	39.6	U
95-95-4	2,4,5-trichlorophenol	39.6	U
121-14-2	2,4-dinitrotoluene	39.6	U
118-74-1	hexachlorobenzene	39.6	U
87-86-5	pentachlorophenol	39.6	U
62-53-3	aniline	39.6	U
108-95-2	phenol	39.6	U
111-44-4	bis(2-chloroethyl)ether	39.6	U
95-57-8	2-chlorophenol	39.6	U
541-73-1	1,3-dichlorobenzene	39.6	U
106-46-7	1,4-dichlorobenzene	39.6	U
100-51-6	benzyl alcohol	39.6	U
95-50-1	1,2-dichlorobenzene	39.6	U
98-86-2	acetophenone	39.6	U
621-64-7	N-nitroso-di-n-propylamine	39.6	U
78-59-1	isophorone	39.6	U
88-75-5	2-nitrophenol	39.6	U
105-67-9	2,4-dimethylphenol	39.6	U
111-91-1	bis(2-chloroethoxy)methane	39.6	U
120-83-2	2,4-dichlorophenol	39.6	U
120-82-1	1,2,4-trichlorobenzene	39.6	U
91-20-3	naphthalene	39.6	U
106-47-8	4-chloroaniline	39.6	U
59-50-7	4-chloro-3-methylphenol	39.6	U
91-57-6	2-methylnaphthalene	39.6	U
77-47-4	hexachlorocyclopentadiene	39.6	U
91-58-7	2-chloronaphthalene	39.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 3H315

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	39.6	U
131-11-3	dimethylphthalate	39.6	U
209-96-8	acenaphthylene	39.6	U
606-20-2	2,6-dinitrotoluene	39.6	U
99-09-2	3-nitroaniline	39.6	U
83-32-9	acenaphthene	39.6	U
51-28-5	2,4-dinitrophenol	79.2	U
132-64-9	dibenzofuran	39.6	U
100-02-7	4-nitrophenol	79.2	U
84-66-2	diethylphthalate	39.6	U
7005-72-3	4-chlorophenylphenylether	39.6	U
86-73-7	fluorene	39.6	U
100-01-6	4-nitroaniline	39.6	U
534-52-1	4,6-dinitro-2-methylphenol	39.6	U
86-30-6	N-nitroso-diphenylamine	39.6	U
101-55-3	4-bromophenylphenylether	39.6	U
85-01-8	phenanthrene	39.6	U
120-12-7	anthracene	39.6	U
84-74-2	di-n-butylphthalate	39.6	U
206-44-0	fluoranthene	39.6	U
129-00-0	pyrene	39.6	U
85-68-7	butylbenzylphthalate	39.6	U
91-94-1	3,3'-dichlorobenzidine	198	U
56-55-3	benzo(a)anthracene	39.6	U
218-01-9	chrysene	39.6	U
117-81-7	bis(2-ethylhexyl)phthalate	39.6	U
117-84-0	di-n-octylphthalate	39.6	U
205-99-2	benzo(b)fluoranthene	39.6	U
207-08-9	benzo(k)fluoranthene	39.6	U
50-32-8	benzo(a)pyrene	39.6	U
193-39-5	indeno(1,2,3-cd)pyrene	39.6	U
53-70-3	dibenz(a,h)anthracene	39.6	U
191-24-2	benzo(g,h,i)perylene	39.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 3H315

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	39.6	U
123-91-1	1,4-dioxane	39.6	U
80-62-6	methyl methacrylate	39.6	U
97-63-2	ethyl methacrylate	39.6	U
109-06-8	2-picoline	39.6	U
10595-95-6	n-nitrosomethylethylamine	39.6	U
66-27-3	methyl methanesulfonate	39.6	U
55-18-5	n-nitrosodiethylamine	39.6	U
62-50-0	ethyl methanesulfonate	39.6	U
76-01-7	pentachloroethane	39.6	U
930-55-2	n-nitrosopyrrolidine	39.6	U
59-89-2	n-nitrosomorpholine	39.6	U
95-53-4	o-toluidine	39.6	U
100-75-4	n-nitrosopiperdine	39.6	U
122-09-8	a,a-dimethylphenethylamine	39.6	U
126-68-1	triethylphosphorothioate	39.6	U
87-65-0	2,6-dichlorophenol	39.6	U
1888-71-7	hexachloropropene	39.6	U
106-50-3	p-phenylenediamine	79.2	U
924-16-3	n-nitroso-di-n-butylamine	39.6	U
94-59-7	safrole	39.6	U
634-90-2	1,2,4,5-tetrachlorobenzene	39.6	U
120-58-1	isosafrole	39.6	U
130-15-4	1,4-naphthoquinone	39.6	U
99-65-0	m-dinitrobenzene	39.6	U
608-93-5	pentachlorobenzene	39.6	U
134-32-7	1-naphthylamine	39.6	U
91-59-8	2-naphthylamine	39.6	U
58-90-2	2,3,4,6-tetrachlorophenol	39.6	U
99-55-8	5-nitro-o-toluidine	39.6	U
297-97-2	thionazine	39.6	U
122-39-4	diphenylamine	39.6	U
3689-24-5	sulfotepp	39.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW-01DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 3H315

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	198	U
62-44-2	phenacetin	39.6	U
2303-16-4	diallate	39.6	U
60-51-5	dimethoate	198	U
92-67-1	4-aminobiphenyl	39.6	U
82-68-8	pentachloronitrobenzene	39.6	U
23950-58-5	pronamide	39.6	U
88-85-7	dinoseb	39.6	U
298-04-4	disulfoton	39.6	U
56-57-5	4-nitroquinoline-1-oxide	39.6	U
135-23-9	methapyrilene	198	U
465-73-6	isodrin	39.6	U
140-57-8	aramite	39.6	U
143-50-0	kepone	39.6	U
60-11-7	p-(dimethylamino)azobenzene	39.6	U
510-15-6	chlorobenzilate	198	U
119-93-7	3,3'-dimethylbenzidine	198	U
52-85-7	famphur	39.6	U
53-96-3	2-acetylaminofluorene	39.6	U
57-97-6	7,12-dimethylbenz(a)anthracene	39.6	U
59-49-5	3-methylcholanthrene	39.6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4H215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	10.2	U
95-48-7	2-methylphenol	10.2	U
106-44-5	4-methylphenol	10.2	U
67-72-1	hexachloroethane	10.2	U
98-95-3	nitrobenzene	10.2	U
87-68-3	hexachlorobutadiene	10.2	U
88-06-2	2,4,6-trichlorophenol	10.2	U
95-95-4	2,4,5-trichlorophenol	10.2	U
121-14-2	2,4-dinitrotoluene	10.2	U
118-74-1	hexachlorobenzene	10.2	U
87-86-5	pentachlorophenol	10.2	U
62-53-3	aniline	10.2	U
108-95-2	phenol	10.2	U
111-44-4	bis(2-chloroethyl)ether	10.2	U
95-57-8	2-chlorophenol	10.2	U
541-73-1	1,3-dichlorobenzene	10.2	U
106-46-7	1,4-dichlorobenzene	10.2	U
100-51-6	benzyl alcohol	10.2	U
95-50-1	1,2-dichlorobenzene	10.2	U
98-86-2	acetophenone	10.2	U
621-64-7	N-nitroso-di-n-propylamine	10.2	U
78-59-1	isophorone	10.2	U
88-75-5	2-nitrophenol	10.2	U
105-67-9	2,4-dimethylphenol	10.2	U
111-91-1	bis(2-chloroethoxy)methane	10.2	U
120-83-2	2,4-dichlorophenol	10.2	U
120-82-1	1,2,4-trichlorobenzene	10.2	U
91-20-3	naphthalene	10.2	U
106-47-8	4-chloroaniline	10.2	U
59-50-7	4-chloro-3-methylphenol	10.2	U
91-57-6	2-methylnaphthalene	10.2	U
77-47-4	hexachlorocyclopentadiene	10.2	U
91-58-7	2-chloronaphthalene	10.2	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4H215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	10.2	U
131-11-3	dimethylphthalate	10.2	U
209-96-8	acenaphthylene	10.2	U
606-20-2	2,6-dinitrotoluene	10.2	U
99-09-2	3-nitroaniline	10.2	U
83-32-9	acenaphthene	10.2	U
51-28-5	2,4-dinitrophenol	20.4	U
132-64-9	dibenzofuran	10.2	U
100-02-7	4-nitrophenol	20.4	U
84-66-2	diethylphthalate	10.2	U
7005-72-3	4-chlorophenylphenylether	10.2	U
86-73-7	fluorene	10.2	U
100-01-6	4-nitroaniline	10.2	U
534-52-1	4,6-dinitro-2-methylphenol	10.2	U
86-30-6	N-nitroso-diphenylamine	10.2	U
101-55-3	4-bromophenylphenylether	10.2	U
85-01-8	phenanthrene	10.2	U
120-12-7	anthracene	10.2	U
84-74-2	di-n-butylphthalate	10.2	U
206-44-0	fluoranthene	10.2	U
129-00-0	pyrene	10.2	U
85-68-7	butylbenzylphthalate	10.2	U
91-94-1	3,3'-dichlorobenzidine	51.0	U
56-55-3	benzo(a)anthracene	10.2	U
218-01-9	chrysene	10.2	U
117-81-7	bis(2-ethylhexyl)phthalate	10.2	U
117-84-0	di-n-octylphthalate	10.2	U
205-99-2	benzo(b)fluoranthene	10.2	U
207-08-9	benzo(k)fluoranthene	10.2	U
50-32-8	benzo(a)pyrene	10.2	U
193-39-5	indeno(1,2,3-cd)pyrene	10.2	U
53-70-3	dibenz(a,h)anthracene	10.2	U
191-24-2	benzo(g,h,i)perylene	10.2	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4H215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	10.2	U
123-91-1	1,4-dioxane	10.2	U
80-62-6	methyl methacrylate	10.2	U
97-63-2	ethyl methacrylate	10.2	U
109-06-8	2-picoline	10.2	U
10595-95-6	n-nitrosomethylethylamine	10.2	U
66-27-3	methyl methanesulfonate	10.2	U
55-18-5	n-nitrosodiethylamine	10.2	U
62-50-0	ethyl methanesulfonate	10.2	U
76-01-7	pentachloroethane	10.2	U
930-55-2	n-nitrosopyrrolidine	10.2	U
59-89-2	n-nitrosomorpholine	10.2	U
95-53-4	o-toluidine	10.2	U
100-75-4	n-nitrosopiperdine	10.2	U
122-09-8	a,a-dimethylphenethylamine	10.2	U
126-68-1	triethylphosphorothioate	10.2	U
87-65-0	2,6-dichlorophenol	10.2	U
1888-71-7	hexachloropropene	10.2	U
106-50-3	p-phenylenediamine	20.4	U
924-16-3	n-nitroso-di-n-butylamine	10.2	U
94-59-7	safrole	10.2	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.2	U
120-58-1	isosafrole	10.2	U
130-15-4	1,4-naphthoquinone	10.2	U
99-65-0	m-dinitrobenzene	10.2	U
608-93-5	pentachlorobenzene	10.2	U
134-32-7	1-naphthylamine	10.2	U
91-59-8	2-naphthylamine	10.2	U
58-90-2	2,3,4,6-tetrachlorophenol	10.2	U
99-55-8	5-nitro-o-toluidine	10.2	U
297-97-2	thionazine	10.2	U
122-39-4	diphenylamine	10.2	U
3689-24-5	sulfotepp	10.2	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 980 (g/mL) mL Lab File ID: 4H215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	51.0	U
62-44-2	phenacetin	10.2	U
2303-16-4	diallate	10.2	U
60-51-5	dimethoate	51.0	U
92-67-1	4-aminobiphenyl	10.2	U
82-68-8	pentachloronitrobenzene	10.2	U
23950-58-5	pronamide	10.2	U
88-85-7	dinoseb	10.2	U
298-04-4	disulfoton	10.2	U
56-57-5	4-nitroquinoline-1-oxide	10.2	U
135-23-9	methapyrilene	51.0	U
465-73-6	isodrin	10.2	U
140-57-8	aramite	10.2	U
143-50-0	kepone	10.2	U
60-11-7	p-(dimethylamino)azobenzene	10.2	U
510-15-6	chlorobenzilate	51.0	U
119-93-7	3,3'-dimethylbenzidine	51.0	U
52-85-7	famphur	10.2	U
53-96-3	2-acetylaminofluorene	10.2	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.2	U
59-49-5	3-methylcholanthrene	10.2	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H517

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

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

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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
108-39-4/106-44-5	3-methylphenol/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	386	E
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	208	E
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

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

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	18.2	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	8.3	J
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	36.5	
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	50.6	
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	8.4	J
129-00-0	pyrene	7.8	J
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.

SIMW-4

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

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

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	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.

SIMW-4

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

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

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4DL1

ab Name: GENERAL ENGINEERING LABS. Contract:

) Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H311

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	100	U
95-48-7	2-methylphenol	100	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	100	U
67-72-1	hexachloroethane	100	U
98-95-3	nitrobenzene	100	U
87-68-3	hexachlorobutadiene	100	U
88-06-2	2,4,6-trichlorophenol	100	U
95-95-4	2,4,5-trichlorophenol	100	U
121-14-2	2,4-dinitrotoluene	100	U
118-74-1	hexachlorobenzene	100	U
87-86-5	pentachlorophenol	100	U
62-53-3	aniline	100	U
108-95-2	phenol	100	U
111-44-4	bis(2-chloroethyl)ether	100	U
95-57-8	2-chlorophenol	100	U
541-73-1	1,3-dichlorobenzene	100	U
106-46-7	1,4-dichlorobenzene	100	U
100-51-6	benzyl alcohol	100	U
95-50-1	1,2-dichlorobenzene	100	U
98-86-2	acetophenone	100	U
621-64-7	N-nitroso-di-n-propylamine	100	U
78-59-1	isophorone	100	U
88-75-5	2-nitrophenol	100	U
105-67-9	2,4-dimethylphenol	100	U
111-91-1	bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-dichlorophenol	100	U
120-82-1	1,2,4-trichlorobenzene	100	U
91-20-3	naphthalene	725	
106-47-8	4-chloroaniline	100	U
59-50-7	4-chloro-3-methylphenol	100	U
91-57-6	2-methylnaphthalene	268	
77-47-4	hexachlorocyclopentadiene	100	U
91-58-7	2-chloronaphthalene	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H311

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	100	U
131-11-3	dimethylphthalate	100	U
209-96-8	acenaphthylene	100	U
606-20-2	2,6-dinitrotoluene	100	U
99-09-2	3-nitroaniline	100	U
83-32-9	acenaphthene	100	U
51-28-5	2,4-dinitrophenol	200	U
132-64-9	dibenzofuran	100	U
100-02-7	4-nitrophenol	200	U
84-66-2	diethylphthalate	100	U
7005-72-3	4-chlorophenylphenylether	100	U
86-73-7	fluorene	100	U
100-01-6	4-nitroaniline	100	U
534-52-1	4,6-dinitro-2-methylphenol	100	U
86-30-6	N-nitroso-diphenylamine	100	U
101-55-3	4-bromophenylphenylether	100	U
85-01-8	phenanthrene	100	U
120-12-7	anthracene	56.6	J
84-74-2	di-n-butylphthalate	100	U
206-44-0	fluoranthene	100	U
129-00-0	pyrene	100	U
85-68-7	butylbenzylphthalate	100	U
91-94-1	3,3'-dichlorobenzidine	500	U
56-55-3	benzo(a)anthracene	100	U
218-01-9	chrysene	100	U
117-81-7	bis(2-ethylhexyl)phthalate	100	U
117-84-0	di-n-octylphthalate	100	U
205-99-2	benzo(b)fluoranthene	100	U
207-08-9	benzo(k)fluoranthene	100	U
50-32-8	benzo(a)pyrene	100	U
193-39-5	indeno(1,2,3-cd)pyrene	100	U
53-70-3	dibenz(a,h)anthracene	100	U
191-24-2	benzo(g,h,i)perylene	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H311

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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-nitrosomethylamine	100	U
123-91-1	1,4-dioxane	100	U
80-62-6	methyl methacrylate	100	U
97-63-2	ethyl methacrylate	100	U
109-06-8	2-picoline	100	U
10595-95-6	n-nitrosomethylethylamine	100	U
66-27-3	methyl methanesulfonate	100	U
55-18-5	n-nitrosodiethylamine	100	U
62-50-0	ethyl methanesulfonate	100	U
76-01-7	pentachloroethane	100	U
930-55-2	n-nitrosopyrrolidine	100	U
59-89-2	n-nitrosomorpholine	100	U
95-53-4	o-toluidine	100	U
100-75-4	n-nitrosopiperdine	100	U
122-09-8	a,a-dimethylphenethylamine	100	U
126-68-1	triethylphosphorothioate	100	U
87-65-0	2,6-dichlorophenol	100	U
1888-71-7	hexachloropropene	100	U
106-50-3	p-phenylenediamine	200	U
924-16-3	n-nitroso-di-n-butylamine	100	U
94-59-7	safrole	100	U
634-90-2	1,2,4,5-tetrachlorobenzene	100	U
120-58-1	isosafrole	100	U
130-15-4	1,4-naphthoquinone	100	U
99-65-0	m-dinitrobenzene	100	U
608-93-5	pentachlorobenzene	100	U
134-32-7	1-naphthylamine	100	U
91-59-8	2-naphthylamine	100	U
58-90-2	2,3,4,6-tetrachlorophenol	100	U
99-55-8	5-nitro-o-toluidine	100	U
297-97-2	thionazine	100	U
122-39-4	diphenylamine	100	U
3689-24-5	sulfotepp	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H311

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/21/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	500	U
62-44-2	phenacetin	100	U
2303-16-4	diallate	100	U
60-51-5	dimethoate	500	U
92-67-1	4-aminobiphenyl	100	U
82-68-8	pentachloronitrobenzene	100	U
23950-58-5	pronamide	100	U
88-85-7	dinoseb	100	U
298-04-4	disulfoton	100	U
56-57-5	4-nitroquinoline-1-oxide	100	U
135-23-9	methapyrilene	500	U
465-73-6	isodrin	100	U
140-57-8	aramite	100	U
143-50-0	kepone	100	U
60-11-7	p-(dimethylamino)azobenzene	100	U
510-15-6	chlorobenzilate	500	U
119-93-7	3,3'-dimethylbenzidine	500	U
52-85-7	famphur	100	U
53-96-3	2-acetylaminofluorene	100	U
57-97-6	7,12-dimethylbenz(a)anthracene	100	U
59-49-5	3-methylcholanthrene	100	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 990 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	10.1	U
95-48-7	2-methylphenol	10.1	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.1	U
67-72-1	hexachloroethane	10.1	U
98-95-3	nitrobenzene	10.1	U
87-68-3	hexachlorobutadiene	10.1	U
88-06-2	2,4,6-trichlorophenol	10.1	U
95-95-4	2,4,5-trichlorophenol	10.1	U
121-14-2	2,4-dinitrotoluene	10.1	U
118-74-1	hexachlorobenzene	10.1	U
87-86-5	pentachlorophenol	10.1	U
62-53-3	aniline	10.1	U
108-95-2	phenol	10.1	U
111-44-4	bis(2-chloroethyl)ether	10.1	U
95-57-8	2-chlorophenol	10.1	U
541-73-1	1,3-dichlorobenzene	10.1	U
106-46-7	1,4-dichlorobenzene	10.1	U
100-51-6	benzyl alcohol	10.1	U
95-50-1	1,2-dichlorobenzene	10.1	U
98-86-2	acetophenone	10.1	U
621-64-7	N-nitroso-di-n-propylamine	10.1	U
78-59-1	isophorone	10.1	U
88-75-5	2-nitrophenol	10.1	U
105-67-9	2,4-dimethylphenol	10.1	U
111-91-1	bis(2-chloroethoxy)methane	10.1	U
120-83-2	2,4-dichlorophenol	10.1	U
120-82-1	1,2,4-trichlorobenzene	10.1	U
91-20-3	naphthalene	10.1	U
106-47-8	4-chloroaniline	10.1	U
59-50-7	4-chloro-3-methylphenol	10.1	U
91-57-6	2-methylnaphthalene	10.1	U
77-47-4	hexachlorocyclopentadiene	10.1	U
91-58-7	2-chloronaphthalene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 990 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	10.1	U
131-11-3	dimethylphthalate	10.1	U
209-96-8	acenaphthylene	10.1	U
606-20-2	2,6-dinitrotoluene	10.1	U
99-09-2	3-nitroaniline	10.1	U
83-32-9	acenaphthene	10.1	U
51-28-5	2,4-dinitrophenol	20.2	U
132-64-9	dibenzofuran	10.1	U
100-02-7	4-nitrophenol	20.2	U
84-66-2	diethylphthalate	10.1	U
7005-72-3	4-chlorophenylphenylether	10.1	U
86-73-7	fluorene	10.1	U
100-01-6	4-nitroaniline	10.1	U
534-52-1	4,6-dinitro-2-methylphenol	10.1	U
86-30-6	N-nitroso-diphenylamine	10.1	U
101-55-3	4-bromophenylphenylether	10.1	U
85-01-8	phenanthrene	10.1	U
120-12-7	anthracene	10.1	U
84-74-2	di-n-butylphthalate	10.1	U
206-44-0	fluoranthene	10.1	U
129-00-0	pyrene	10.1	U
85-68-7	butylbenzylphthalate	10.1	U
91-94-1	3,3'-dichlorobenzidine	50.5	U
56-55-3	benzo(a)anthracene	10.1	U
218-01-9	chrysene	10.1	U
117-81-7	bis(2-ethylhexyl)phthalate	10.1	U
117-84-0	di-n-octylphthalate	10.1	U
205-99-2	benzo(b)fluoranthene	10.1	U
207-08-9	benzo(k)fluoranthene	10.1	U
50-32-8	benzo(a)pyrene	10.1	U
193-39-5	indeno(1,2,3-cd)pyrene	10.1	U
53-70-3	dibenz(a,h)anthracene	10.1	U
191-24-2	benzo(g,h,i)perylene	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 990 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	10.1	U
123-91-1	1,4-dioxane	10.1	U
80-62-6	methyl methacrylate	10.1	U
97-63-2	ethyl methacrylate	10.1	U
109-06-8	2-picoline	10.1	U
10595-95-6	n-nitrosomethylethylamine	10.1	U
66-27-3	methyl methanesulfonate	10.1	U
55-18-5	n-nitrosodiethylamine	10.1	U
62-50-0	ethyl methanesulfonate	10.1	U
76-01-7	pentachloroethane	10.1	U
930-55-2	n-nitrosopyrrolidine	10.1	U
59-89-2	n-nitrosomorpholine	10.1	U
95-53-4	o-toluidine	10.1	U
100-75-4	n-nitrosopiperdine	10.1	U
122-09-8	a,a-dimethylphenethylamine	10.1	U
126-68-1	triethylphosphorothioate	10.1	U
87-65-0	2,6-dichlorophenol	10.1	U
1888-71-7	hexachloropropene	10.1	U
106-50-3	p-phenylenediamine	20.2	U
924-16-3	n-nitroso-di-n-butylamine	10.1	U
94-59-7	safrole	10.1	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.1	U
120-58-1	isosafrole	10.1	U
130-15-4	1,4-naphthoquinone	10.1	U
99-65-0	m-dinitrobenzene	10.1	U
608-93-5	pentachlorobenzene	10.1	U
134-32-7	1-naphthylamine	10.1	U
91-59-8	2-naphthylamine	10.1	U
58-90-2	2,3,4,6-tetrachlorophenol	10.1	U
99-55-8	5-nitro-o-toluidine	10.1	U
297-97-2	thionazine	10.1	U
122-39-4	diphenylamine	10.1	U
3689-24-5	sulfotepp	10.1	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 990 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	50.5	U
62-44-2	phenacetin	10.1	U
2303-16-4	diallate	10.1	U
60-51-5	dimethoate	50.5	U
92-67-1	4-aminobiphenyl	10.1	U
82-68-8	pentachloronitrobenzene	10.1	U
23950-58-5	pronamide	10.1	U
88-85-7	dinoseb	10.1	U
298-04-4	disulfoton	10.1	U
56-57-5	4-nitroquinoline-1-oxide	10.1	U
135-23-9	methapyrilene	50.5	U
465-73-6	isodrin	10.1	U
140-57-8	aramite	10.1	U
143-50-0	kepone	10.1	U
60-11-7	p-(dimethylamino)azobenzene	10.1	U
510-15-6	chlorobenzilate	50.5	U
119-93-7	3,3'-dimethylbenzidine	50.5	U
52-85-7	famphur	10.1	U
53-96-3	2-acetylaminofluorene	10.1	U
57-97-6	7,12-dimethylbenz(a)anthracene	10.1	U
59-49-5	3-methylcholanthrene	10.1	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	9.9	U
95-48-7	2-methylphenol	9.9	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	9.9	U
67-72-1	hexachloroethane	9.9	U
98-95-3	nitrobenzene	9.9	U
87-68-3	hexachlorobutadiene	9.9	U
88-06-2	2,4,6-trichlorophenol	9.9	U
95-95-4	2,4,5-trichlorophenol	9.9	U
121-14-2	2,4-dinitrotoluene	9.9	U
118-74-1	hexachlorobenzene	9.9	U
87-86-5	pentachlorophenol	9.9	U
62-53-3	aniline	9.9	U
108-95-2	phenol	9.9	U
111-44-4	bis(2-chloroethyl)ether	9.9	U
95-57-8	2-chlorophenol	9.9	U
541-73-1	1,3-dichlorobenzene	9.9	U
106-46-7	1,4-dichlorobenzene	9.9	U
100-51-6	benzyl alcohol	9.9	U
95-50-1	1,2-dichlorobenzene	9.9	U
98-86-2	acetophenone	9.9	U
621-64-7	N-nitroso-di-n-propylamine	9.9	U
78-59-1	isophorone	9.9	U
88-75-5	2-nitrophenol	9.9	U
105-67-9	2,4-dimethylphenol	9.9	U
111-91-1	bis(2-chloroethoxy)methane	9.9	U
120-83-2	2,4-dichlorophenol	9.9	U
120-82-1	1,2,4-trichlorobenzene	9.9	U
91-20-3	naphthalene	9.9	U
106-47-8	4-chloroaniline	9.9	U
59-50-7	4-chloro-3-methylphenol	9.9	U
91-57-6	2-methylnaphthalene	9.9	U
77-47-4	hexachlorocyclopentadiene	9.9	U
91-58-7	2-chloronaphthalene	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	9.9	U
131-11-3	dimethylphthalate	9.9	U
209-96-8	acenaphthylene	9.9	U
606-20-2	2,6-dinitrotoluene	9.9	U
99-09-2	3-nitroaniline	9.9	U
83-32-9	acenaphthene	9.9	U
51-28-5	2,4-dinitrophenol	19.8	U
132-64-9	dibenzofuran	9.9	U
100-02-7	4-nitrophenol	19.8	U
84-66-2	diethylphthalate	9.9	U
7005-72-3	4-chlorophenylphenylether	9.9	U
86-73-7	fluorene	9.9	U
100-01-6	4-nitroaniline	9.9	U
534-52-1	4,6-dinitro-2-methylphenol	9.9	U
86-30-6	N-nitroso-diphenylamine	9.9	U
101-55-3	4-bromophenylphenylether	9.9	U
85-01-8	phenanthrene	9.9	U
120-12-7	anthracene	9.9	U
84-74-2	di-n-butylphthalate	9.9	U
206-44-0	fluoranthene	9.9	U
129-00-0	pyrene	9.9	U
85-68-7	butylbenzylphthalate	9.9	U
91-94-1	3,3'-dichlorobenzidine	49.5	U
56-55-3	benzo(a)anthracene	9.9	U
218-01-9	chrysene	9.9	U
117-81-7	bis(2-ethylhexyl)phthalate	9.9	U
117-84-0	di-n-octylphthalate	9.9	U
205-99-2	benzo(b)fluoranthene	9.9	U
207-08-9	benzo(k)fluoranthene	9.9	U
50-32-8	benzo(a)pyrene	9.9	U
193-39-5	indeno(1,2,3-cd)pyrene	9.9	U
53-70-3	dibenz(a,h)anthracene	9.9	U
191-24-2	benzo(g,h,i)perylene	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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-nitrosomethylamine	9.9	U
123-91-1	1,4-dioxane	9.9	U
80-62-6	methyl methacrylate	9.9	U
97-63-2	ethyl methacrylate	9.9	U
109-06-8	2-picoline	9.9	U
10595-95-6	n-nitrosomethylethylamine	9.9	U
66-27-3	methyl methanesulfonate	9.9	U
55-18-5	n-nitrosodiethylamine	9.9	U
62-50-0	ethyl methanesulfonate	9.9	U
76-01-7	pentachloroethane	9.9	U
930-55-2	n-nitrosopyrrolidine	9.9	U
59-89-2	n-nitrosomorpholine	9.9	U
95-53-4	o-toluidine	9.9	U
100-75-4	n-nitrosopiperdine	9.9	U
122-09-8	a,a-dimethylphenethylamine	9.9	U
126-68-1	triethylphosphorothioate	9.9	U
87-65-0	2,6-dichlorophenol	9.9	U
1888-71-7	hexachloropropene	9.9	U
106-50-3	p-phenylenediamine	19.8	U
924-16-3	n-nitroso-di-n-butylamine	9.9	U
94-59-7	safrole	9.9	U
634-90-2	1,2,4,5-tetrachlorobenzene	9.9	U
120-58-1	isosafrole	9.9	U
130-15-4	1,4-naphthoquinone	9.9	U
99-65-0	m-dinitrobenzene	9.9	U
608-93-5	pentachlorobenzene	9.9	U
134-32-7	1-naphthylamine	9.9	U
91-59-8	2-naphthylamine	9.9	U
58-90-2	2,3,4,6-tetrachlorophenol	9.9	U
99-55-8	5-nitro-o-toluidine	9.9	U
297-97-2	thionazine	9.9	U
122-39-4	diphenylamine	9.9	U
3689-24-5	sulfotepp	9.9	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 4H214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/05/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/20/96

Injection Volume: 1.0(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	49.5	U
62-44-2	phenacetin	9.9	U
2303-16-4	diallate	9.9	U
60-51-5	dimethoate	49.5	U
92-67-1	4-aminobiphenyl	9.9	U
82-68-8	pentachloronitrobenzene	9.9	U
23950-58-5	pronamide	9.9	U
88-85-7	dinoseb	9.9	U
298-04-4	disulfoton	9.9	U
56-57-5	4-nitroquinoline-1-oxide	9.9	U
135-23-9	methapyrilene	49.5	U
465-73-6	isodrin	9.9	U
140-57-8	aramite	9.9	U
143-50-0	kepone	9.9	U
60-11-7	p-(dimethylamino)azobenzene	9.9	U
510-15-6	chlorobenzilate	49.5	U
119-93-7	3,3'-dimethylbenzidine	49.5	U
52-85-7	famphur	9.9	U
53-96-3	2-acetylaminofluorene	9.9	U
57-97-6	7,12-dimethylbenz(a)anthracene	9.9	U
59-49-5	3-methylcholanthrene	9.9	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H516

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 61527W
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
TB01-012696	9601527-01
S1MW-4	9601527-10
S1MW-5	9601527-11
S1MW-6	9601527-12
S1MW-3	9601527-13
S1DPGW-01	9601527-14
FB03-013196	9601527-15
TB01-013096	9601527-16
Blank	QC339288
Laboratory Control Sample (LCS)	QC339293
S1MW-4 Post Spike (PS)	QC339289
S1MW-4 Post Spike Duplicate (PSD)	QC339290

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

Sample S1MW-5 was re-analyzed due to surrogate failure. The re-analysis also failed surrogate recovery criteria, confirming matrix interference.

Internal Standards

Sample S1MW-5 was re-analyzed due tointernal standard failure. The re-analysis also failed internal standard recovery criteria, confirming matrix interference.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The PS and PSD met quality control criteria for recovery and relative percent difference (RPD). The PS limits are generated by Statistical Process 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.

Samples S1MW-6 and S1MW-3 were not preserved. A Nonconformance Report (GEL-AS-VO-305) has been generated with the disposition to run and flag as unpreserved.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB03-013196

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U219

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.970	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.63	
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	7.28	
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	13.0	
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB03-013196

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U219

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U224

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U224

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U310

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	3.73	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1DPGW01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U310

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U223

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U223

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U309

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	4.52	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U309

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U205

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.41	
74-83-9	bromomethane	4.54	
75-01-4	vinyl chloride	0.648	J
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	7.21	
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	1.11	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	25.4	
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	22.6	
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	6.72	
108-90-7	chlorobenzene	1.23	J
100-41-4	ethylbenzene	5.86	
100-42-5	styrene	1.58	J
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U205

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	3.40	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U221

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.301	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	0.250	J
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	0.446	J
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.65	
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U221

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	1.76	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	0.434	J
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U307

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	1.91	J
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW5CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U307

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U222

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	4.72	J
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U222

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	2.58	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U308

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	2.00	U
67-64-1	acetone	6.43	
75-15-0	carbon disulfide	11.8	
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	0.358	J
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SIMW6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U308

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012696

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U215

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.0888	JB
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-012696

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U215

Level: (low/med) LOW Date Received: 01/29/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013096

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.717	JB
67-64-1	acetone	2.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013096

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 61527W

Matrix: (soil/water) WATER Lab Sample ID: 9601527-16

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U216

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	6.00	U

CASE NARRATIVE
SDG 62001S

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

February 28, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample Receipt

The soil samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between February 1 1996, and February 5, 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
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-03	9602001-06

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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

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:hali00196.022896

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper

METALS DATA

CASE NARRATIVE
SDG 62001S
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

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

Sample Description	Laboratory Identification
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-02 Matrix Spike (MS)	QC342112 - ICP
	QC339309 - Hg
	QC339530 - Cn
BG3SS-02 Duplicate (Dup)	QC342113 - ICP
	QC339310 - Hg
	QC339529 - Cn
BG3SS-02 Post Spike (PS)	QC342898 - ICP
BG3SS-03	9602001-06
Blank	QC342111 - ICP
	QC339308 - Hg
	QC339531 - Cn
Laboratory Control Sample (LCS)	QC342115 - ICP
	QC339311 - Hg
	QC339532 - Cn
Laboratory Control Sample Duplicate (LCSD)	QC342116 - ICP
	QC339533 - Cn

Instrument Calibration

All 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

Calcium was detected in the method blank at levels greater than the instrument detection limits (IDL), but below the reporting limit (RL). No target analytes were detected in the method blank for Mercury or Cyanide analysis at levels greater than the IDL.

Spike and Duplication Analysis

The MS (QC342112) for the ICP analysis of Selenium did not meet the quality control criteria, as indicated by the "N" flag. A form 5B is included for the PS analysis. Since the spiking level for Selenium was below the recommended concentration, a matrix interference cannot be assumed. The Dup did not meet the relative percent difference

(RPD) criteria for Calcium, as indicated by the "*" flag. The MS and Dup for Mercury and Cyanide met the quality control criteria for recovery and RPD.

Laboratory Control Sample Analysis

The LCS and LCSD for ICP, Mercury, and Cyanide met the recommended quality control limits for recoveries and RPD.

Dilutions

Calcium was over the instrument linear range and required 100x dilution for all samples. The Mercury and Cyanide analyses did not require dilutions.

Additional Comments

ICP
An "E" flag from the Serial dilution analysis resulted for Potassium. An interference from the high calcium levels is suspected.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG1SS-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-03

Level (low/med): LOW__ Date Received: 02/05/96

% 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	3950			P
7440-36-0	Antimony	0.49	U		P
7440-38-2	Arsenic	0.95	B		P
7440-39-3	Barium	15.6	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	359000		*	P
7440-47-3	Chromium	5.5			P
7440-48-4	Cobalt	0.32	B		P
7440-50-8	Copper	4.3	B		P
7439-89-6	Iron	1730			P
7439-92-1	Lead	6.1			P
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	28.1			P
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	944		E	P
7782-49-2	Selenium	0.90	U	N	P
7440-22-4	Silver	0.13	U		P
7440-23-5	Sodium	18700			P
7440-28-0	Thallium	0.84	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	6.5			P
74-90-8	Cyanide	0.23	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: COURSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-04

Level (low/med): LOW__ Date Received: 02/05/96

% 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_	4250			P
7440-36-0	Antimony_	0.64	U		P
7440-38-2	Arsenic__	2.7			P
7440-39-3	Barium__	17.7	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium__	0.40	B		P
7440-70-2	Calcium__	347000		*	P
7440-47-3	Chromium_	9.5			P
7440-48-4	Cobalt___	0.43	B		P
7440-50-8	Copper___	15.6			P
7439-89-6	Iron____	2250			P
7439-92-1	Lead____	43.5			P
7439-95-4	Magnesium	4710			P
7439-96-5	Manganese	30.0			P
7439-97-6	Mercury__	0.07	U		AV
7440-02-0	Nickel___	3.3	B		P
7440-09-7	Potassium	395	B	E	P
7782-49-2	Selenium_	1.5		N	P
7440-22-4	Silver___	0.17	U		P
7440-23-5	Sodium___	2030			P
7440-28-0	Thallium_	1.1	U		P
7440-62-2	Vanadium_	7.8	B		P
7440-66-6	Zinc____	36.6			P
74-90-8__	Cyanide__	0.18	B		AS

Color Before: BLACK____ Clarity Before: _____ Texture: COURSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_TWIGS

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-01

Level (low/med): LOW__ Date Received: 02/01/96

% Solids: _92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	145			P
7440-36-0	Antimony	0.42	U		P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	7.3	B		P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.07	B		P
7440-70-2	Calcium	449000		*	P
7440-47-3	Chromium	1.9			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	758			P
7439-92-1	Lead	34.4			P
7439-95-4	Magnesium	4740			P
7439-96-5	Manganese	5.5			P
7439-97-6	Mercury	0.05	U		AV
7440-02-0	Nickel	0.68	B		P
7440-09-7	Potassium	48.6	B	E	P
7782-49-2	Selenium	0.78	U	N	P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	2360			P
7440-28-0	Thallium	0.74	U		P
7440-62-2	Vanadium	2.1	B		P
7440-66-6	Zinc	3.8			P
74-90-8	Cyanide	0.07	B		AS

Color Before: OFF_WHITE Clarity Before: _____ Texture: COURSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG2SS-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-02

Level (low/med): LOW__ Date Received: 02/01/96

% 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_	120			P
7440-36-0	Antimony_	0.60	U		P
7440-38-2	Arsenic__	1.1	U		P
7440-39-3	Barium__	7.9	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium__	0.12	B		P
7440-70-2	Calcium__	426000		*	P
7440-47-3	Chromium_	2.0	B		P
7440-48-4	Cobalt___	0.18	U		P
7440-50-8	Copper___	2.2	B		P
7439-89-6	Iron____	118			P
7439-92-1	Lead____	1.4			P
7439-95-4	Magnesium	8980			P
7439-96-5	Manganese	6.1			P
7439-97-6	Mercury__	0.05	U		AV
7440-02-0	Nickel___	0.44	B		P
7440-09-7	Potassium	325	B	E	P
7782-49-2	Selenium_	1.1	U	N	P
7440-22-4	Silver___	0.16	U		P
7440-23-5	Sodium___	7990			P
7440-28-0	Thallium_	1.0	U		P
7440-62-2	Vanadium_	1.0	B		P
7440-66-6	Zinc____	2.5	B		P
74-90-8__	Cyanide__	0.25	B		AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COURSE

Color After: COLORLESS Clarity After: _____ Artifacts: YES___

Comments:
ROCKS_&_SHELLS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-05

Level (low/med): LOW__ Date Received: 02/05/96

% Solids: _83.0

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	0.48	U		P
7440-38-2	Arsenic	0.91	U		P
7440-39-3	Barium	6.5	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.07	U		P
7440-70-2	Calcium	442000		*	P
7440-47-3	Chromium	2.1			P
7440-48-4	Cobalt	0.15	U		P
7440-50-8	Copper	2.3	B		P
7439-89-6	Iron	98.1			P
7439-92-1	Lead	0.82	B		P
7439-95-4	Magnesium	1340			P
7439-96-5	Manganese	2.6	B		P
7439-97-6	Mercury	0.06	U		AV
7440-02-0	Nickel	0.76	B		P
7440-09-7	Potassium	258	B	E	P
7782-49-2	Selenium	0.89	U	N	P
7440-22-4	Silver	0.13	U		P
7440-23-5	Sodium	6390			P
7440-28-0	Thallium	0.83	U		P
7440-62-2	Vanadium	0.80	B		P
7440-66-6	Zinc	4.1			P
74-90-8	Cyanide	0.31	B		AS

Color Before: OFF_WHITE Clarity Before: _____ Texture: COURSE

Color After: CLEAR____ Clarity After: _____ Artifacts: YES___

Comments:
ROCKS

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62001S

Matrix (soil/water): SOIL_ Lab Sample ID: 9602001-06

Level (low/med): LOW__ Date Received: 02/05/96

% Solids: _59.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	35600			P
7440-36-0	Antimony_	0.66	U		P
7440-38-2	Arsenic__	9.3			P
7440-39-3	Barium__	36.5	B		P
7440-41-7	Beryllium	1.00	B		P
7440-43-9	Cadmium__	0.10	U		P
7440-70-2	Calcium__	202000		*	P
7440-47-3	Chromium_	57.4			P
7440-48-4	Cobalt___	1.5	B		P
7440-50-8	Copper___	4.5	B		P
7439-89-6	Iron____	20600			P
7439-92-1	Lead____	22.4			P
7439-95-4	Magnesium	26500			P
7439-96-5	Manganese	77.0			P
7439-97-6	Mercury__	0.08	U		AV
7440-02-0	Nickel___	14.9			P
7440-09-7	Potassium	2160		E	P
7782-49-2	Selenium_	2.1		N	P
7440-22-4	Silver___	0.18	U		P
7440-23-5	Sodium___	20400			P
7440-28-0	Thallium_	2.6			P
7440-62-2	Vanadium_	40.7			P
7440-66-6	Zinc____	19.1			P
74-90-8__	Cyanide__	0.45	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: COURSE

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 62001S
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
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-03	9602001-06
Blank	QC340981
Laboratory Control Sample (LCS)	QC340982
Laboratory Control Sample Duplicate (LCSD)	QC340983
BG3SS-02 Matrix Spike (MS)	QC340984
BG3SS-02 Matrix Spike Duplicate (MSD)	QC340985

Instrument Calibration

The initial and continuing calibration criteria established in the methodology were met for all compounds of interest, with the exception of 2,4,5-T, which did not meet acceptance criteria on the confirmation column.

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 analyzed met quality control criteria for recoveries and relative percent difference (RPD). The MS limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

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

Dilutions

A standard 10x dilution was made on all samples and QC samples.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 50.7 (g/mL) g Lab File ID: APBXB36

% Moisture: 20 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/25/96

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	50.0	U
95-76-5	2,4,5-T	50.0	U
93-72-1	SILVEX	25.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 50.0 (g/mL) g Lab File ID: APBXB37

% Moisture: 34 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/25/96

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	60.6	U
95-76-5	2,4,5-T	60.6	U
93-72-1	SILVEX	30.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG2SS-02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 50.1 (g/mL) g Lab File ID: APBXB33

% Moisture: 8 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/25/96

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	43.5	U
95-76-5	2,4,5-T	43.5	U
93-72-1	SILVEX	21.7	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG2SS-03

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 50.3 (g/mL) g Lab File ID: APBXB34

% Moisture: 34 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/25/96

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	60.6	U
95-76-5	2,4,5-T	60.6	U
93-72-1	SILVEX	30.3	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 50.3 (g/mL) g Lab File ID: APBXB38

% Moisture: 17 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10 (mL) Date Analyzed: 02/25/96

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	48.2	U
95-76-5	2,4,5-T	48.2	U
93-72-1	SILVEX	24.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 50.1 (g/mL) g Lab File ID: APBXB39

% Moisture: 41 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/13/96

Concentrated Extract Volume: 10(mL) Date Analyzed: 02/25/96

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	67.8	U
95-76-5	2,4,5-T	67.8	U
93-72-1	SILVEX	33.9	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 62001S
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
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-03	9602001-06
Blank	QC341250
Laboratory Control Sample (LCS)	QC341251
Laboratory Control Sample Duplicate (LCSD)	QC341252
BG3SS-02 Matrix Spike (MS)	QC341253
BG3SS-02 Matrix Spike Duplicate (MSD)	QC341254

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding time.

Surrogate Analysis

Surrogates were diluted out due to matrix interference for samples BG2SS-03, BG1SS-03, BG3SS-03, and BG1SS-02.

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), except for 4,4-DDT. The MS limits are generated by Statistical Process Control (SPC). 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 RPD. The limits are generated by SPC.

Dilutions

Sample BG2SS-03 was analyzed at a 20x dilution and samples BG1SS-03 and BG3SS-03 were analyzed at 5x dilutions in order to quanitate target analytes within the calibration range of the analytical equipment. Sample BG1SS-02 was analyzed undiluted and at a 5x dilution.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-02

-b Name: GENERAL ENGINEERING LABOR Contract:

. Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB25

% Moisture: 20 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	0.83	U
319-85-7	beta-BHC	0.83	U
319-86-8	delta-BHC	0.83	U
58-89-9	gamma-BHC (Lindane)	0.83	U
76-44-8	Heptachlor	0.83	U
309-00-2	Aldrin	0.83	U
1024-57-3	Heptachlor epoxide	0.83	U
959-98-8	Endosulfan I	0.83	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	39.8	
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	2.6	
72-43-5	Methoxychlor	8.3	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	41.0	U
12674-11-2	Aroclor-1016	5.2	U
11104-28-2	Aroclor-1221	5.2	U
1114-16-5	Aroclor-1232	5.2	U
53469-21-9	Aroclor-1242	5.2	U
12672-29-6	Aroclor-1248	5.2	U
11097-69-1	Aroclor-1254	5.2	U
11096-82-5	Aroclor-1260	5.2	U
57-74-9	Chlordane (tech.)	10.3	U
298-02-2	Phorate	2.1	U
298-00-0	Methyl Parathion	2.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB25

% Moisture: 20 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-02DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB29

% Moisture: 20 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
58-89-9	gamma-BHC (Lindane)	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
1024-57-3	Heptachlor epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
60-57-1	Dieldrin	8.3	U
72-55-9	4,4'-DDE	53.3	
72-20-8	Endrin	8.3	U
33213-65-9	Endosulfan II	8.3	U
72-54-8	4,4'-DDD	8.3	U
1031-07-8	Endosulfan sulfate	8.3	U
50-29-3	4,4'-DDT	8.3	U
72-43-5	Methoxychlor	41.4	U
7421-93-4	Endrin aldehyde	8.3	U
8001-35-2	Toxaphene	205	U
12674-11-2	Aroclor-1016	25.9	U
11104-28-2	Aroclor-1221	25.9	U
1114-16-5	Aroclor-1232	25.9	U
53469-21-9	Aroclor-1242	25.9	U
12672-29-6	Aroclor-1248	25.9	U
11097-69-1	Aroclor-1254	25.9	U
11096-82-5	Aroclor-1260	25.9	U
57-74-9	Chlordane (tech.)	51.7	U
298-02-2	Phorate	10.4	U
298-00-0	Methyl Parathion	10.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-02DL1

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB29

% Moisture: 20 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	10.4	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-03DL1

b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BKJVB26

% Moisture: 34 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 03/01/96

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	5.0	U
319-85-7	beta-BHC	5.0	U
319-86-8	delta-BHC	5.0	U
58-89-9	gamma-BHC (Lindane)	5.0	U
76-44-8	Heptachlor	5.0	U
309-00-2	Aldrin	5.0	U
1024-57-3	Heptachlor epoxide	5.0	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	10.0	U
72-55-9	4,4'-DDE	10.0	U
72-20-8	Endrin	10.0	U
33213-65-9	Endosulfan II	10.0	U
72-54-8	4,4'-DDD	10.0	U
1031-07-8	Endosulfan sulfate	10.0	U
50-29-3	4,4'-DDT	10.0	U
72-43-5	Methoxychlor	50.2	U
7421-93-4	Endrin aldehyde	10.0	U
8001-35-2	Toxaphene	249	U
12674-11-2	Aroclor-1016	31.4	U
11104-28-2	Aroclor-1221	31.4	U
1114-16-5	Aroclor-1232	31.4	U
53469-21-9	Aroclor-1242	31.4	U
12672-29-6	Aroclor-1248	31.4	U
11097-69-1	Aroclor-1254	31.4	U
11096-82-5	Aroclor-1260	31.4	U
57-74-9	Chlordane (tech.)	62.7	U
298-02-2	Phorate	12.6	U
298-00-0	Methyl Parathion	12.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG1SS-03DL1

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BKJVB26

% Moisture: 34 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	12.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-02

-b Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BKJVB23

% Moisture: 8 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	0.72	U
319-85-7	beta-BHC	0.72	U
319-86-8	delta-BHC	0.72	U
58-89-9	gamma-BHC (Lindane)	0.72	U
76-44-8	Heptachlor	0.72	U
309-00-2	Aldrin	0.72	U
1024-57-3	Heptachlor epoxide	0.72	U
959-98-8	Endosulfan I	0.72	U
60-57-1	Dieldrin	1.4	U
72-55-9	4,4'-DDE	1.4	U
72-20-8	Endrin	1.4	U
33213-65-9	Endosulfan II	1.4	U
72-54-8	4,4'-DDD	1.4	U
1031-07-8	Endosulfan sulfate	1.4	U
50-29-3	4,4'-DDT	9.3	
72-43-5	Methoxychlor	7.2	U
7421-93-4	Endrin aldehyde	1.4	U
8001-35-2	Toxaphene	35.7	U
12674-11-2	Aroclor-1016	4.5	U
11104-28-2	Aroclor-1221	4.5	U
1114-16-5	Aroclor-1232	4.5	U
53469-21-9	Aroclor-1242	4.5	U
12672-29-6	Aroclor-1248	4.5	U
11097-69-1	Aroclor-1254	4.5	U
11096-82-5	Aroclor-1260	4.5	U
57-74-9	Chlordane (tech.)	9.0	U
298-02-2	Phorate	1.8	U
298-00-0	Methyl Parathion	2.2	P

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: BKJVB23

% Moisture: 8 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	1.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-03DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB24

% Moisture: 34 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	20.0	U
319-85-7	beta-BHC	20.0	U
319-86-8	delta-BHC	20.0	U
58-89-9	gamma-BHC (Lindane)	20.0	U
76-44-8	Heptachlor	20.0	U
309-00-2	Aldrin	20.0	U
1024-57-3	Heptachlor epoxide	20.0	U
959-98-8	Endosulfan I	20.0	U
60-57-1	Dieldrin	40.0	U
72-55-9	4,4'-DDE	40.0	U
72-20-8	Endrin	40.0	U
33213-65-9	Endosulfan II	40.0	U
72-54-8	4,4'-DDD	40.0	U
1031-07-8	Endosulfan sulfate	40.0	U
50-29-3	4,4'-DDT	40.0	U
72-43-5	Methoxychlor	200	U
7421-93-4	Endrin aldehyde	40.0	U
8001-35-2	Toxaphene	992	U
12674-11-2	Aroclor-1016	125	U
11104-28-2	Aroclor-1221	125	U
1114-16-5	Aroclor-1232	125	U
53469-21-9	Aroclor-1242	125	U
12672-29-6	Aroclor-1248	125	U
11097-69-1	Aroclor-1254	125	U
11096-82-5	Aroclor-1260	125	U
57-74-9	Chlordane (tech.)	250	U
298-02-2	Phorate	50.1	U
298-00-0	Methyl Parathion	50.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG2SS-03DL1

-b Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: BKJVB24

% Moisture: 34 decanted: (Y/N) N Date Received: 02/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	50.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB27

% Moisture: 17 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	0.79	U
58-89-9	gamma-BHC (Lindane)	0.79	U
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	0.79	U
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.6	U
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	1.6	U
72-43-5	Methoxychlor	7.9	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	39.3	U
12674-11-2	Aroclor-1016	5.0	U
11104-28-2	Aroclor-1221	5.0	U
1114-16-5	Aroclor-1232	5.0	U
53469-21-9	Aroclor-1242	5.0	U
12672-29-6	Aroclor-1248	5.0	U
11097-69-1	Aroclor-1254	5.0	U
11096-82-5	Aroclor-1260	5.0	U
57-74-9	Chlordane (tech.)	9.9	U
298-02-2	Phorate	2.0	U
298-00-0	Methyl Parathion	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: BKJVB27

% Moisture: 17 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-03DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB28

% Moisture: 41 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	5.5	U
319-85-7	beta-BHC	5.5	U
319-86-8	delta-BHC	5.5	U
58-89-9	gamma-BHC (Lindane)	5.5	U
76-44-8	Heptachlor	5.5	U
309-00-2	Aldrin	5.5	U
1024-57-3	Heptachlor epoxide	5.5	U
959-98-8	Endosulfan I	5.5	U
60-57-1	Dieldrin	11.1	U
72-55-9	4,4'-DDE	16.0	
72-20-8	Endrin	11.1	U
33213-65-9	Endosulfan II	11.1	U
72-54-8	4,4'-DDD	11.1	U
1031-07-8	Endosulfan sulfate	11.1	U
50-29-3	4,4'-DDT	11.1	U
72-43-5	Methoxychlor	55.3	U
7421-93-4	Endrin aldehyde	11.1	U
8001-35-2	Toxaphene	274	U
12674-11-2	Aroclor-1016	34.6	U
11104-28-2	Aroclor-1221	34.6	U
1114-16-5	Aroclor-1232	34.6	U
53469-21-9	Aroclor-1242	34.6	U
12672-29-6	Aroclor-1248	34.6	U
11097-69-1	Aroclor-1254	34.6	U
11096-82-5	Aroclor-1260	34.6	U
57-74-9	Chlordane (tech.)	69.1	U
298-02-2	Phorate	13.8	U
298-00-0	Methyl Parathion	13.8	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Hali SAMPLE NO.

BG3SS-03DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: BKJVB28

% Moisture: 41 decanted: (Y/N) N Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 03/01/96

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	13.8	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 62001S
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
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-03	9602001-06
Blank	QC341040
Laboratory Control Sample (LCS)	QC341041
Laboratory Control Sample Duplicate (LCSD)	QC341042
BG3SS-02 Matrix Spike (MS)	QC341043
BG3SS-02 Matrix Spike Duplicate (MSD)	QC341044

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

The 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

The MS and MSD met quality control criteria for recoveries and relative percent differecne (RPD). The MS limits are generated by statistical process control (SPC).

Laboratory Control Samples

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

Dilutions

The samples were analyzed undiluted

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H415

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	411	U
95-48-7	2-methylphenol	411	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	411	U
67-72-1	hexachloroethane	411	U
98-95-3	nitrobenzene	411	U
87-68-3	hexachlorobutadiene	411	U
88-06-2	2,4,6-trichlorophenol	411	U
95-95-4	2,4,5-trichlorophenol	411	U
121-14-2	2,4-dinitrotoluene	411	U
118-74-1	hexachlorobenzene	411	U
87-86-5	pentachlorophenol	411	U
62-53-3	aniline	411	U
108-95-2	phenol	411	U
111-44-4	bis(2-chloroethyl)ether	411	U
95-57-8	2-chlorophenol	411	U
541-73-1	1,3-dichlorobenzene	411	U
106-46-7	1,4-dichlorobenzene	411	U
100-51-6	benzyl alcohol	411	U
95-50-1	1,2-dichlorobenzene	411	U
98-86-2	acetophenone	411	U
621-64-7	N-nitroso-di-n-propylamine	411	U
78-59-1	isophorone	411	U
88-75-5	2-nitrophenol	411	U
105-67-9	2,4-dimethylphenol	411	U
111-91-1	bis(2-chloroethoxy)methane	411	U
120-83-2	2,4-dichlorophenol	411	U
120-82-1	1,2,4-trichlorobenzene	411	U
91-20-3	naphthalene	411	U
106-47-8	4-chloroaniline	411	U
59-50-7	4-chloro-3-methylphenol	411	U
91-57-6	2-methylnaphthalene	411	U
77-47-4	hexachlorocyclopentadiene	411	U
91-58-7	2-chloronaphthalene	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H415

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	411	U
131-11-3	dimethylphthalate	411	U
209-96-8	acenaphthylene	411	U
606-20-2	2,6-dinitrotoluene	411	U
99-09-2	3-nitroaniline	411	U
83-32-9	acenaphthene	411	U
51-28-5	2,4-dinitrophenol	821	U
132-64-9	dibenzofuran	411	U
100-02-7	4-nitrophenol	821	U
84-66-2	diethylphthalate	411	U
7005-72-3	4-chlorophenylphenylether	411	U
86-73-7	fluorene	411	U
100-01-6	4-nitroaniline	411	U
534-52-1	4,6-dinitro-2-methylphenol	411	U
86-30-6	N-nitroso-diphenylamine	411	U
101-55-3	4-bromophenylphenylether	411	U
85-01-8	phenanthrene	411	U
120-12-7	anthracene	411	U
84-74-2	di-n-butylphthalate	411	U
206-44-0	fluoranthene	411	U
129-00-0	pyrene	411	U
85-68-7	butylbenzylphthalate	411	U
91-94-1	3,3'-dichlorobenzidine	2050	U
56-55-3	benzo(a)anthracene	411	U
218-01-9	chrysene	411	U
117-81-7	bis(2-ethylhexyl)phthalate	411	U
117-84-0	di-n-octylphthalate	411	U
205-99-2	benzo(b)fluoranthene	411	U
207-08-9	benzo(k)fluoranthene	411	U
50-32-8	benzo(a)pyrene	411	U
193-39-5	indeno(1,2,3-cd)pyrene	411	U
53-70-3	dibenz(a,h)anthracene	411	U
191-24-2	benzo(g,h,i)perylene	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H415

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	411	U
123-91-1	1,4-dioxane	411	U
80-62-6	methyl methacrylate	411	U
97-63-2	ethyl methacrylate	411	U
109-06-8	2-picoline	411	U
10595-95-6	n-nitrosomethylethylamine	411	U
66-27-3	methyl methanesulfonate	411	U
55-18-5	n-nitrosodiethylamine	411	U
62-50-0	ethyl methanesulfonate	411	U
76-01-7	pentachloroethane	411	U
930-55-2	n-nitrosopyrrolidine	411	U
59-89-2	n-nitrosomorpholine	411	U
95-53-4	o-toluidine	411	U
100-75-4	n-nitrosopiperdine	411	U
122-09-8	a,a-dimethylphenethylamine	411	U
126-68-1	triethylphosphorothioate	411	U
87-65-0	2,6-dichlorophenol	411	U
1888-71-7	hexachloropropene	411	U
106-50-3	p-phenylenediamine	821	U
924-16-3	n-nitroso-di-n-butylamine	411	U
94-59-7	safrole	411	U
634-90-2	1,2,4,5-tetrachlorobenzene	411	U
120-58-1	isosafrole	411	U
130-15-4	1,4-naphthoquinone	411	U
99-65-0	m-dinitrobenzene	411	U
608-93-5	pentachlorobenzene	411	U
134-32-7	1-naphthylamine	411	U
91-59-8	2-naphthylamine	411	U
58-90-2	2,3,4,6-tetrachlorophenol	411	U
99-55-8	5-nitro-o-toluidine	411	U
297-97-2	thionazine	411	U
122-39-4	diphenylamine	411	U
3689-24-5	sulfotepp	411	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H415

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2050	U
62-44-2	phenacetin	411	U
2303-16-4	diallate	411	U
60-51-5	dimethoate	2050	U
92-67-1	4-aminobiphenyl	411	U
82-68-8	pentachloronitrobenzene	411	U
23950-58-5	pronamide	411	U
88-85-7	dinoseb	411	U
298-04-4	disulfoton	411	U
56-57-5	4-nitroquinoline-1-oxide	411	U
135-23-9	methapyrilene	2050	U
465-73-6	isodrin	411	U
140-57-8	aramite	411	U
143-50-0	kepone	411	U
60-11-7	p-(dimethylamino)azobenzene	411	U
510-15-6	chlorobenzilate	2050	U
119-93-7	3,3'-dimethylbenzidine	2050	U
52-85-7	famphur	411	U
53-96-3	2-acetylaminofluorene	411	U
57-97-6	7,12-dimethylbenz(a)anthracene	411	U
59-49-5	3-methylcholanthrene	411	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H416

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	498	U
95-48-7	2-methylphenol	498	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	498	U
67-72-1	hexachloroethane	498	U
98-95-3	nitrobenzene	498	U
87-68-3	hexachlorobutadiene	498	U
88-06-2	2,4,6-trichlorophenol	498	U
95-95-4	2,4,5-trichlorophenol	498	U
121-14-2	2,4-dinitrotoluene	498	U
118-74-1	hexachlorobenzene	498	U
87-86-5	pentachlorophenol	498	U
62-53-3	aniline	498	U
108-95-2	phenol	498	U
111-44-4	bis(2-chloroethyl)ether	498	U
95-57-8	2-chlorophenol	498	U
541-73-1	1,3-dichlorobenzene	498	U
106-46-7	1,4-dichlorobenzene	498	U
100-51-6	benzyl alcohol	498	U
95-50-1	1,2-dichlorobenzene	498	U
98-86-2	acetophenone	498	U
621-64-7	N-nitroso-di-n-propylamine	498	U
78-59-1	isophorone	498	U
88-75-5	2-nitrophenol	498	U
105-67-9	2,4-dimethylphenol	498	U
111-91-1	bis(2-chloroethoxy)methane	498	U
120-83-2	2,4-dichlorophenol	498	U
120-82-1	1,2,4-trichlorobenzene	498	U
91-20-3	naphthalene	498	U
106-47-8	4-chloroaniline	498	U
59-50-7	4-chloro-3-methylphenol	498	U
91-57-6	2-methylnaphthalene	498	U
77-47-4	hexachlorocyclopentadiene	498	U
91-58-7	2-chloronaphthalene	498	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H416

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	498	U
131-11-3	dimethylphthalate	498	U
209-96-8	acenaphthylene	498	U
606-20-2	2,6-dinitrotoluene	498	U
99-09-2	3-nitroaniline	498	U
83-32-9	acenaphthene	498	U
51-28-5	2,4-dinitrophenol	996	U
132-64-9	dibenzofuran	498	U
100-02-7	4-nitrophenol	996	U
84-66-2	diethylphthalate	498	U
7005-72-3	4-chlorophenylphenylether	498	U
86-73-7	fluorene	498	U
100-01-6	4-nitroaniline	498	U
534-52-1	4,6-dinitro-2-methylphenol	498	U
86-30-6	N-nitroso-diphenylamine	498	U
101-55-3	4-bromophenylphenylether	498	U
85-01-8	phenanthrene	498	U
120-12-7	anthracene	392	J
84-74-2	di-n-butylphthalate	498	U
206-44-0	fluoranthene	660	
129-00-0	pyrene	472	J
85-68-7	butylbenzylphthalate	498	U
91-94-1	3,3'-dichlorobenzidine	2490	U
56-55-3	benzo(a)anthracene	498	U
218-01-9	chrysene	281	J
117-81-7	bis(2-ethylhexyl)phthalate	498	U
117-84-0	di-n-octylphthalate	498	U
205-99-2	benzo(b)fluoranthene	386	J
207-08-9	benzo(k)fluoranthene	498	U
50-32-8	benzo(a)pyrene	498	U
193-39-5	indeno(1,2,3-cd)pyrene	498	U
53-70-3	dibenz(a,h)anthracene	498	U
191-24-2	benzo(g,h,i)perylene	498	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H416

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	498	U
123-91-1	1,4-dioxane	498	U
80-62-6	methyl methacrylate	498	U
97-63-2	ethyl methacrylate	498	U
109-06-8	2-picoline	498	U
10595-95-6	n-nitrosomethylethylamine	498	U
66-27-3	methyl methanesulfonate	498	U
55-18-5	n-nitrosodiethylamine	498	U
62-50-0	ethyl methanesulfonate	498	U
76-01-7	pentachloroethane	498	U
930-55-2	n-nitrosopyrrolidine	498	U
59-89-2	n-nitrosomorpholine	498	U
95-53-4	o-toluidine	498	U
100-75-4	n-nitrosopiperdine	498	U
122-09-8	a,a-dimethylphenethylamine	498	U
126-68-1	triethylphosphorothioate	498	U
87-65-0	2,6-dichlorophenol	498	U
1888-71-7	hexachloropropene	498	U
106-50-3	p-phenylenediamine	996	U
924-16-3	n-nitroso-di-n-butylamine	498	U
94-59-7	safrole	498	U
634-90-2	1,2,4,5-tetrachlorobenzene	498	U
120-58-1	isosafrole	498	U
130-15-4	1,4-naphthoquinone	498	U
99-65-0	m-dinitrobenzene	498	U
608-93-5	pentachlorobenzene	498	U
134-32-7	1-naphthylamine	498	U
91-59-8	2-naphthylamine	498	U
58-90-2	2,3,4,6-tetrachlorophenol	498	U
99-55-8	5-nitro-o-toluidine	498	U
297-97-2	thionazine	498	U
122-39-4	diphenylamine	498	U
3689-24-5	sulfotepp	498	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H416

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2490	U
62-44-2	phenacetin	498	U
2303-16-4	diallate	498	U
60-51-5	dimethoate	2490	U
92-67-1	4-aminobiphenyl	498	U
82-68-8	pentachloronitrobenzene	498	U
23950-58-5	pronamide	498	U
88-85-7	dinoseb	498	U
298-04-4	disulfoton	498	U
56-57-5	4-nitroquinoline-1-oxide	498	U
135-23-9	methapyrilene	2490	U
465-73-6	isodrin	498	U
140-57-8	aramite	498	U
143-50-0	kepone	498	U
60-11-7	p-(dimethylamino)azobenzene	498	U
510-15-6	chlorobenzilate	2490	U
119-93-7	3,3'-dimethylbenzidine	2490	U
52-85-7	famphur	498	U
53-96-3	2-acetylaminofluorene	498	U
57-97-6	7,12-dimethylbenz(a)anthracene	498	U
59-49-5	3-methylcholanthrene	498	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H413

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	358	U
95-48-7	2-methylphenol	358	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	358	U
67-72-1	hexachloroethane	358	U
98-95-3	nitrobenzene	358	U
87-68-3	hexachlorobutadiene	358	U
88-06-2	2,4,6-trichlorophenol	358	U
95-95-4	2,4,5-trichlorophenol	358	U
121-14-2	2,4-dinitrotoluene	358	U
118-74-1	hexachlorobenzene	358	U
87-86-5	pentachlorophenol	358	U
62-53-3	aniline	358	U
108-95-2	phenol	358	U
111-44-4	bis(2-chloroethyl)ether	358	U
95-57-8	2-chlorophenol	358	U
541-73-1	1,3-dichlorobenzene	358	U
106-46-7	1,4-dichlorobenzene	358	U
100-51-6	benzyl alcohol	358	U
95-50-1	1,2-dichlorobenzene	358	U
98-86-2	acetophenone	358	U
621-64-7	N-nitroso-di-n-propylamine	358	U
78-59-1	isophorone	358	U
88-75-5	2-nitrophenol	358	U
105-67-9	2,4-dimethylphenol	358	U
111-91-1	bis(2-chloroethoxy)methane	358	U
120-83-2	2,4-dichlorophenol	358	U
120-82-1	1,2,4-trichlorobenzene	358	U
91-20-3	naphthalene	358	U
106-47-8	4-chloroaniline	358	U
59-50-7	4-chloro-3-methylphenol	358	U
91-57-6	2-methylnaphthalene	358	U
77-47-4	hexachlorocyclopentadiene	358	U
91-58-7	2-chloronaphthalene	358	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H413

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	358	U
131-11-3	dimethylphthalate	358	U
209-96-8	acenaphthylene	358	U
606-20-2	2,6-dinitrotoluene	358	U
99-09-2	3-nitroaniline	358	U
83-32-9	acenaphthene	358	U
51-28-5	2,4-dinitrophenol	716	U
132-64-9	dibenzofuran	358	U
100-02-7	4-nitrophenol	716	U
84-66-2	diethylphthalate	358	U
7005-72-3	4-chlorophenylphenylether	358	U
86-73-7	fluorene	358	U
100-01-6	4-nitroaniline	358	U
534-52-1	4,6-dinitro-2-methylphenol	358	U
86-30-6	N-nitroso-diphenylamine	358	U
101-55-3	4-bromophenylphenylether	358	U
85-01-8	phenanthrene	358	U
120-12-7	anthracene	358	U
84-74-2	di-n-butylphthalate	358	U
206-44-0	fluoranthene	358	U
129-00-0	pyrene	358	U
85-68-7	butylbenzylphthalate	358	U
91-94-1	3,3'-dichlorobenzidine	1790	U
56-55-3	benzo(a)anthracene	358	U
218-01-9	chrysene	358	U
117-81-7	bis(2-ethylhexyl)phthalate	358	U
117-84-0	di-n-octylphthalate	358	U
205-99-2	benzo(b)fluoranthene	358	U
207-08-9	benzo(k)fluoranthene	358	U
50-32-8	benzo(a)pyrene	358	U
193-39-5	indeno(1,2,3-cd)pyrene	358	U
53-70-3	dibenz(a,h)anthracene	358	U
191-24-2	benzo(g,h,i)perylene	358	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H413

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	358	U
123-91-1	1,4-dioxane	358	U
80-62-6	methyl methacrylate	358	U
97-63-2	ethyl methacrylate	358	U
109-06-8	2-picoline	358	U
10595-95-6	n-nitrosomethylethylamine	358	U
66-27-3	methyl methanesulfonate	358	U
55-18-5	n-nitrosodiethylamine	358	U
62-50-0	ethyl methanesulfonate	358	U
76-01-7	pentachloroethane	358	U
930-55-2	n-nitrosopyrrolidine	358	U
59-89-2	n-nitrosomorpholine	358	U
95-53-4	o-toluidine	358	U
100-75-4	n-nitrosopiperdine	358	U
122-09-8	a,a-dimethylphenethylamine	358	U
126-68-1	triethylphosphorothioate	358	U
87-65-0	2,6-dichlorophenol	358	U
1888-71-7	hexachloropropene	358	U
106-50-3	p-phenylenediamine	716	U
924-16-3	n-nitroso-di-n-butylamine	358	U
94-59-7	safrole	358	U
634-90-2	1,2,4,5-tetrachlorobenzene	358	U
120-58-1	isosafrole	358	U
130-15-4	1,4-naphthoquinone	358	U
99-65-0	m-dinitrobenzene	358	U
608-93-5	pentachlorobenzene	358	U
134-32-7	1-naphthylamine	358	U
91-59-8	2-naphthylamine	358	U
58-90-2	2,3,4,6-tetrachlorophenol	358	U
99-55-8	5-nitro-o-toluidine	358	U
297-97-2	thionazine	358	U
122-39-4	diphenylamine	358	U
3689-24-5	sulfotepp	358	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H413

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1790	U
62-44-2	phenacetin	358	U
2303-16-4	diallate	358	U
60-51-5	dimethoate	1790	U
92-67-1	4-aminobiphenyl	358	U
82-68-8	pentachloronitrobenzene	358	U
23950-58-5	pronamide	358	U
88-85-7	dinoseb	358	U
298-04-4	disulfoton	358	U
56-57-5	4-nitroquinoline-1-oxide	358	U
135-23-9	methapyrilene	1790	U
465-73-6	isodrin	358	U
140-57-8	aramite	358	U
143-50-0	kepone	358	U
60-11-7	p-(dimethylamino)azobenzene	358	U
510-15-6	chlorobenzilate	1790	U
119-93-7	3,3'-dimethylbenzidine	1790	U
52-85-7	famphur	358	U
53-96-3	2-acetylaminofluorene	358	U
57-97-6	7,12-dimethylbenz(a)anthracene	358	U
59-49-5	3-methylcholanthrene	358	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H414

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	499	U
95-48-7	2-methylphenol	499	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	499	U
67-72-1	hexachloroethane	499	U
98-95-3	nitrobenzene	499	U
87-68-3	hexachlorobutadiene	499	U
88-06-2	2,4,6-trichlorophenol	499	U
95-95-4	2,4,5-trichlorophenol	499	U
121-14-2	2,4-dinitrotoluene	499	U
118-74-1	hexachlorobenzene	499	U
87-86-5	pentachlorophenol	499	U
62-53-3	aniline	499	U
108-95-2	phenol	499	U
111-44-4	bis(2-chloroethyl)ether	499	U
95-57-8	2-chlorophenol	499	U
541-73-1	1,3-dichlorobenzene	499	U
106-46-7	1,4-dichlorobenzene	499	U
100-51-6	benzyl alcohol	499	U
95-50-1	1,2-dichlorobenzene	499	U
98-86-2	acetophenone	499	U
621-64-7	N-nitroso-di-n-propylamine	499	U
78-59-1	isophorone	499	U
88-75-5	2-nitrophenol	499	U
105-67-9	2,4-dimethylphenol	499	U
111-91-1	bis(2-chloroethoxy)methane	499	U
120-83-2	2,4-dichlorophenol	499	U
120-82-1	1,2,4-trichlorobenzene	499	U
91-20-3	naphthalene	499	U
106-47-8	4-chloroaniline	499	U
59-50-7	4-chloro-3-methylphenol	499	U
91-57-6	2-methylnaphthalene	499	U
77-47-4	hexachlorocyclopentadiene	499	U
91-58-7	2-chloronaphthalene	499	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H414

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	499	U
131-11-3	dimethylphthalate	499	U
209-96-8	acenaphthylene	499	U
606-20-2	2,6-dinitrotoluene	499	U
99-09-2	3-nitroaniline	499	U
83-32-9	acenaphthene	499	U
51-28-5	2,4-dinitrophenol	998	U
132-64-9	dibenzofuran	499	U
100-02-7	4-nitrophenol	998	U
84-66-2	diethylphthalate	499	U
7005-72-3	4-chlorophenylphenylether	499	U
86-73-7	fluorene	499	U
100-01-6	4-nitroaniline	499	U
534-52-1	4,6-dinitro-2-methylphenol	499	U
86-30-6	N-nitroso-diphenylamine	499	U
101-55-3	4-bromophenylphenylether	499	U
85-01-8	phenanthrene	499	U
120-12-7	anthracene	499	U
84-74-2	di-n-butylphthalate	499	U
206-44-0	fluoranthene	499	U
129-00-0	pyrene	499	U
85-68-7	butylbenzylphthalate	499	U
91-94-1	3,3'-dichlorobenzidine	2500	U
56-55-3	benzo(a)anthracene	499	U
218-01-9	chrysene	499	U
117-81-7	bis(2-ethylhexyl)phthalate	499	U
117-84-0	di-n-octylphthalate	499	U
205-99-2	benzo(b)fluoranthene	499	U
207-08-9	benzo(k)fluoranthene	499	U
50-32-8	benzo(a)pyrene	499	U
193-39-5	indeno(1,2,3-cd)pyrene	499	U
53-70-3	dibenz(a,h)anthracene	499	U
191-24-2	benzo(g,h,i)perylene	499	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H414

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	499	U
123-91-1	1,4-dioxane	499	U
80-62-6	methyl methacrylate	499	U
97-63-2	ethyl methacrylate	499	U
109-06-8	2-picoline	499	U
10595-95-6	n-nitrosomethylethylamine	499	U
66-27-3	methyl methanesulfonate	499	U
55-18-5	n-nitrosodiethylamine	499	U
62-50-0	ethyl methanesulfonate	499	U
76-01-7	pentachloroethane	499	U
930-55-2	n-nitrosopyrrolidine	499	U
59-89-2	n-nitrosomorpholine	499	U
95-53-4	o-toluidine	499	U
100-75-4	n-nitrosopiperdine	499	U
122-09-8	a,a-dimethylphenethylamine	499	U
126-68-1	triethylphosphorothioate	499	U
87-65-0	2,6-dichlorophenol	499	U
1888-71-7	hexachloropropene	499	U
106-50-3	p-phenylenediamine	998	U
924-16-3	n-nitroso-di-n-butylamine	499	U
94-59-7	safrole	499	U
634-90-2	1,2,4,5-tetrachlorobenzene	499	U
120-58-1	isosafrole	499	U
130-15-4	1,4-naphthoquinone	499	U
99-65-0	m-dinitrobenzene	499	U
608-93-5	pentachlorobenzene	499	U
134-32-7	1-naphthylamine	499	U
91-59-8	2-naphthylamine	499	U
58-90-2	2,3,4,6-tetrachlorophenol	499	U
99-55-8	5-nitro-o-toluidine	499	U
297-97-2	thionazine	499	U
122-39-4	diphenylamine	499	U
3689-24-5	sulfotepp	499	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 3H414

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2500	U
62-44-2	phenacetin	499	U
2303-16-4	diallate	499	U
60-51-5	dimethoate	2500	U
92-67-1	4-aminobiphenyl	499	U
82-68-8	pentachloronitrobenzene	499	U
23950-58-5	pronamide	499	U
88-85-7	dinoseb	499	U
298-04-4	disulfoton	499	U
56-57-5	4-nitroquinoline-1-oxide	499	U
135-23-9	methapyrilene	2500	U
465-73-6	isodrin	499	U
140-57-8	aramite	499	U
143-50-0	kepone	499	U
60-11-7	p-(dimethylamino)azobenzene	499	U
510-15-6	chlorobenzilate	2500	U
119-93-7	3,3'-dimethylbenzidine	2500	U
52-85-7	famphur	499	U
53-96-3	2-acetylaminofluorene	499	U
57-97-6	7,12-dimethylbenz(a)anthracene	499	U
59-49-5	3-methylcholanthrene	499	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H412

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 17 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	398	U
95-48-7	2-methylphenol	398	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	398	U
67-72-1	hexachloroethane	398	U
98-95-3	nitrobenzene	398	U
87-68-3	hexachlorobutadiene	398	U
88-06-2	2,4,6-trichlorophenol	398	U
95-95-4	2,4,5-trichlorophenol	398	U
121-14-2	2,4-dinitrotoluene	398	U
118-74-1	hexachlorobenzene	398	U
87-86-5	pentachlorophenol	398	U
62-53-3	aniline	398	U
108-95-2	phenol	398	U
111-44-4	bis(2-chloroethyl)ether	398	U
95-57-8	2-chlorophenol	398	U
541-73-1	1,3-dichlorobenzene	398	U
106-46-7	1,4-dichlorobenzene	398	U
100-51-6	benzyl alcohol	398	U
95-50-1	1,2-dichlorobenzene	398	U
98-86-2	acetophenone	398	U
621-64-7	N-nitroso-di-n-propylamine	398	U
78-59-1	isophorone	398	U
88-75-5	2-nitrophenol	398	U
105-67-9	2,4-dimethylphenol	398	U
111-91-1	bis(2-chloroethoxy)methane	398	U
120-83-2	2,4-dichlorophenol	398	U
120-82-1	1,2,4-trichlorobenzene	398	U
91-20-3	naphthalene	398	U
106-47-8	4-chloroaniline	398	U
59-50-7	4-chloro-3-methylphenol	398	U
91-57-6	2-methylnaphthalene	398	U
77-47-4	hexachlorocyclopentadiene	398	U
91-58-7	2-chloronaphthalene	398	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H412

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 17 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	398	U
131-11-3	dimethylphthalate	398	U
209-96-8	acenaphthylene	398	U
606-20-2	2,6-dinitrotoluene	398	U
99-09-2	3-nitroaniline	398	U
83-32-9	acenaphthene	398	U
51-28-5	2,4-dinitrophenol	795	U
132-64-9	dibenzofuran	398	U
100-02-7	4-nitrophenol	795	U
84-66-2	diethylphthalate	398	U
7005-72-3	4-chlorophenylphenylether	398	U
86-73-7	fluorene	398	U
100-01-6	4-nitroaniline	398	U
534-52-1	4,6-dinitro-2-methylphenol	398	U
86-30-6	N-nitroso-diphenylamine	398	U
101-55-3	4-bromophenylphenylether	398	U
85-01-8	phenanthrene	398	U
120-12-7	anthracene	398	U
84-74-2	di-n-butylphthalate	398	U
206-44-0	fluoranthene	398	U
129-00-0	pyrene	398	U
85-68-7	butylbenzylphthalate	398	U
91-94-1	3,3'-dichlorobenzidine	1990	U
56-55-3	benzo(a)anthracene	398	U
218-01-9	chrysene	398	U
117-81-7	bis(2-ethylhexyl)phthalate	398	U
117-84-0	di-n-octylphthalate	398	U
205-99-2	benzo(b)fluoranthene	398	U
207-08-9	benzo(k)fluoranthene	398	U
50-32-8	benzo(a)pyrene	398	U
193-39-5	indeno(1,2,3-cd)pyrene	398	U
53-70-3	dibenz(a,h)anthracene	398	U
191-24-2	benzo(g,h,i)perylene	398	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H412

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 17 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	398	U
123-91-1	1,4-dioxane	398	U
80-62-6	methyl methacrylate	398	U
97-63-2	ethyl methacrylate	398	U
109-06-8	2-picoline	398	U
10595-95-6	n-nitrosomethylethylamine	398	U
66-27-3	methyl methanesulfonate	398	U
55-18-5	n-nitrosodiethylamine	398	U
62-50-0	ethyl methanesulfonate	398	U
76-01-7	pentachloroethane	398	U
930-55-2	n-nitrosopyrrolidine	398	U
59-89-2	n-nitrosomorpholine	398	U
95-53-4	o-toluidine	398	U
100-75-4	n-nitrosopiperdine	398	U
122-09-8	a,a-dimethylphenethylamine	398	U
126-68-1	triethylphosphorothioate	398	U
87-65-0	2,6-dichlorophenol	398	U
1888-71-7	hexachloropropene	398	U
106-50-3	p-phenylenediamine	795	U
924-16-3	n-nitroso-di-n-butylamine	398	U
94-59-7	safrole	398	U
634-90-2	1,2,4,5-tetrachlorobenzene	398	U
120-58-1	isosafrole	398	U
130-15-4	1,4-naphthoquinone	398	U
99-65-0	m-dinitrobenzene	398	U
608-93-5	pentachlorobenzene	398	U
134-32-7	1-naphthylamine	398	U
91-59-8	2-naphthylamine	398	U
58-90-2	2,3,4,6-tetrachlorophenol	398	U
99-55-8	5-nitro-o-toluidine	398	U
297-97-2	thionazine	398	U
122-39-4	diphenylamine	398	U
3689-24-5	sulfotepp	398	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 3H412

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 17 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1990	U
62-44-2	phenacetin	398	U
2303-16-4	diallate	398	U
60-51-5	dimethoate	1990	U
92-67-1	4-aminobiphenyl	398	U
82-68-8	pentachloronitrobenzene	398	U
23950-58-5	pronamide	398	U
88-85-7	dinoseb	398	U
298-04-4	disulfoton	398	U
56-57-5	4-nitroquinoline-1-oxide	398	U
135-23-9	methapyrilene	1990	U
465-73-6	isodrin	398	U
140-57-8	aramite	398	U
143-50-0	kepone	398	U
60-11-7	p-(dimethylamino)azobenzene	398	U
510-15-6	chlorobenzilate	1990	U
119-93-7	3,3'-dimethylbenzidine	1990	U
52-85-7	famphur	398	U
53-96-3	2-acetylaminofluorene	398	U
57-97-6	7,12-dimethylbenz(a)anthracene	398	U
59-49-5	3-methylcholanthrene	398	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 3H417

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/23/96

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/Kg	Q
110-86-1	pyridine	555	U
95-48-7	2-methylphenol	555	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	555	U
67-72-1	hexachloroethane	555	U
98-95-3	nitrobenzene	555	U
87-68-3	hexachlorobutadiene	555	U
88-06-2	2,4,6-trichlorophenol	555	U
95-95-4	2,4,5-trichlorophenol	555	U
121-14-2	2,4-dinitrotoluene	555	U
118-74-1	hexachlorobenzene	555	U
87-86-5	pentachlorophenol	555	U
62-53-3	aniline	555	U
108-95-2	phenol	555	U
111-44-4	bis(2-chloroethyl)ether	555	U
95-57-8	2-chlorophenol	555	U
541-73-1	1,3-dichlorobenzene	555	U
106-46-7	1,4-dichlorobenzene	555	U
100-51-6	benzyl alcohol	555	U
95-50-1	1,2-dichlorobenzene	555	U
98-86-2	acetophenone	555	U
621-64-7	N-nitroso-di-n-propylamine	555	U
78-59-1	isophorone	555	U
88-75-5	2-nitrophenol	555	U
105-67-9	2,4-dimethylphenol	555	U
111-91-1	bis(2-chloroethoxy)methane	555	U
120-83-2	2,4-dichlorophenol	555	U
120-82-1	1,2,4-trichlorobenzene	555	U
91-20-3	naphthalene	555	U
106-47-8	4-chloroaniline	555	U
59-50-7	4-chloro-3-methylphenol	555	U
91-57-6	2-methylnaphthalene	555	U
77-47-4	hexachlorocyclopentadiene	555	U
91-58-7	2-chloronaphthalene	555	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 3H417

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/23/96

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/Kg	Q
88-74-4	2-nitroaniline	555	U
131-11-3	dimethylphthalate	555	U
209-96-8	acenaphthylene	555	U
606-20-2	2,6-dinitrotoluene	555	U
99-09-2	3-nitroaniline	555	U
83-32-9	acenaphthene	555	U
51-28-5	2,4-dinitrophenol	1110	U
132-64-9	dibenzofuran	555	U
100-02-7	4-nitrophenol	1110	U
84-66-2	diethylphthalate	555	U
7005-72-3	4-chlorophenylphenylether	555	U
86-73-7	fluorene	555	U
100-01-6	4-nitroaniline	555	U
534-52-1	4,6-dinitro-2-methylphenol	555	U
86-30-6	N-nitroso-diphenylamine	555	U
101-55-3	4-bromophenylphenylether	555	U
85-01-8	phenanthrene	555	U
120-12-7	anthracene	555	U
84-74-2	di-n-butylphthalate	555	U
206-44-0	fluoranthene	555	U
129-00-0	pyrene	555	U
85-68-7	butylbenzylphthalate	555	U
91-94-1	3,3'-dichlorobenzidine	2780	U
56-55-3	benzo(a)anthracene	555	U
218-01-9	chrysene	555	U
117-81-7	bis(2-ethylhexyl)phthalate	555	U
117-84-0	di-n-octylphthalate	555	U
205-99-2	benzo(b)fluoranthene	555	U
207-08-9	benzo(k)fluoranthene	555	U
50-32-8	benzo(a)pyrene	555	U
193-39-5	indeno(1,2,3-cd)pyrene	555	U
53-70-3	dibenz(a,h)anthracene	555	U
191-24-2	benzo(g,h,i)perylene	555	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 3H417

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/23/96

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/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamine	555	U
123-91-1	1,4-dioxane	555	U
80-62-6	methyl methacrylate	555	U
97-63-2	ethyl methacrylate	555	U
109-06-8	2-picoline	555	U
10595-95-6	n-nitrosomethylethylamine	555	U
66-27-3	methyl methanesulfonate	555	U
55-18-5	n-nitrosodiethylamine	555	U
62-50-0	ethyl methanesulfonate	555	U
76-01-7	pentachloroethane	555	U
930-55-2	n-nitrosopyrrolidine	555	U
59-89-2	n-nitrosomorpholine	555	U
95-53-4	o-toluidine	555	U
100-75-4	n-nitrosopiperdine	555	U
122-09-8	a,a-dimethylphenethylamine	555	U
126-68-1	triethylphosphorothioate	555	U
87-65-0	2,6-dichlorophenol	555	U
1888-71-7	hexachloropropene	555	U
106-50-3	p-phenylenediamine	1110	U
924-16-3	n-nitroso-di-n-butylamine	555	U
94-59-7	safrole	555	U
634-90-2	1,2,4,5-tetrachlorobenzene	555	U
120-58-1	isosafrole	555	U
130-15-4	1,4-naphthoquinone	555	U
99-65-0	m-dinitrobenzene	555	U
608-93-5	pentachlorobenzene	555	U
134-32-7	1-naphthylamine	555	U
91-59-8	2-naphthylamine	555	U
58-90-2	2,3,4,6-tetrachlorophenol	555	U
99-55-8	5-nitro-o-toluidine	555	U
297-97-2	thionazine	555	U
122-39-4	diphenylamine	555	U
3689-24-5	sulfotepp	555	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 3H417

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: 41 decanted: (Y/N) N Date Extracted: 02/14/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/23/96

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/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2780	U
62-44-2	phenacetin	555	U
2303-16-4	diallate	555	U
60-51-5	dimethoate	2780	U
92-67-1	4-aminobiphenyl	555	U
82-68-8	pentachloronitrobenzene	555	U
23950-58-5	pronamide	555	U
88-85-7	dinoseb	555	U
298-04-4	disulfoton	555	U
56-57-5	4-nitroquinoline-1-oxide	555	U
135-23-9	methapyrilene	2780	U
465-73-6	isodrin	555	U
140-57-8	aramite	555	U
143-50-0	kepone	555	U
60-11-7	p-(dimethylamino)azobenzene	555	U
510-15-6	chlorobenzilate	2780	U
119-93-7	3,3'-dimethylbenzidine	2780	U
52-85-7	famphur	555	U
53-96-3	2-acetylaminofluorene	555	U
57-97-6	7,12-dimethylbenz(a)anthracene	555	U
59-49-5	3-methylcholanthrene	555	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 62001S
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatiles using EPA SW-846 Method 8240:

Sample Description	Laboratory Identification
BG2SS-02	9602001-01
BG2SS-03	9602001-02
BG1SS-02	9602001-03
BG1SS-03	9602001-04
BG3SS-02	9602001-05
BG3SS-03	9602001-06
Blank	QC341002
Laboratory Control Sample (LCS)	QC341007
BG3SS-02 Post Spike (PS)	QC341003
BG3SS-02 Post Spike Duplicate (PSD)	QC341004

Instrument Tune

The mass spectrometer met all criteria for the tuning compound bromofluorobenzene.

Instrument Calibration

Initial and continuing instrument calibration criteria established in the methodology were met for all analyses.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

Sample BG1SS-03 initially failed surrogate recovery. The sample was re-analyzed and met surrogate recovery criteria. Both runs are reported on the forms and EDD.

Internal Standards

Samples BG1SS-02, BG1SS-03, and BG3SS-03 initially failed internal standard recovery criteria. The re-analyzed samples also failed internal standard criteria, confirming matrix interference. Both runs are reported on the forms and EDD.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The PS and PSD analyzed met recommended quality control limits for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

The LCS met recommended quality control recovery limits. 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.

BG1SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V217

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 20 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.50	U
74-83-9	bromomethane	2.50	U
75-01-4	vinyl chloride	2.50	U
75-00-3	chloroethane	2.50	U
75-09-2	methylene chloride	1.11	J
67-64-1	acetone	6.25	U
75-15-0	carbon disulfide	6.25	U
75-35-4	1,1-dichloroethene	2.50	U
75-34-3	1,1-dichloroethane	2.50	U
156-60-5	trans-1,2-dichloroethene	2.50	U
67-66-3	chloroform	2.50	U
107-06-2	1,2-dichloroethane	2.50	U
78-93-3	2-butanone	6.25	U
71-55-6	1,1,1-trichloroethane	2.50	U
56-23-5	carbon tetrachloride	2.50	U
75-27-4	bromodichloromethane	2.50	U
78-87-5	1,2-dichloropropane	2.50	U
10061-01-5	cis-1,3-dichloropropene	2.50	U
79-01-6	trichloroethene	2.50	U
124-48-1	dibromochloromethane	2.50	U
79-00-5	1,1,2-trichloroethane	2.50	U
71-43-2	benzene	2.74	B
10061-02-6	trans-1,3-dichloropropene	2.50	U
75-25-2	bromoform	2.50	U
108-10-1	4-methyl-2-pentanone	6.25	U
591-78-6	2-hexanone	6.25	U
127-18-4	tetrachloroethene	2.50	U
79-34-5	1,1,2,2-tetrachloroethane	2.50	U
108-88-3	toluene	2.50	U
108-90-7	chlorobenzene	2.50	U
100-41-4	ethylbenzene	2.50	U
100-42-5	styrene	2.50	U
75-71-8	Dichlorodifluoromethane	2.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02

'b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V217

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 20 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.50	U
107-13-1	Acrylonitrile	25.0	U
108-05-4	Vinyl Acetate	6.25	U
107-02-8	Acrolein	25.0	U
74-88-4	Iodomethane	6.25	U
75-05-8	Acetonitrile	12.5	U
107-05-1	Allyl Chloride	12.5	U
126-99-8	2-Chloro-1,3-butadiene	2.50	U
126-98-7	Methacrylonitrile	12.5	U
78-83-1	Isobutyl Alcohol	25.0	U
107-12-0	Propionitrile	25.0	U
74-95-3	Dibromomethane	2.50	U
80-62-6	Methyl methacrylate	12.5	U
106-93-4	1,2-Dibromoethane	2.50	U
630-20-6	1,1,1,2-Tetrachloroethane	2.50	U
96-18-4	1,2,3-Trichloropropane	2.50	U
110-57-6	trans-1,4-Dichloro-2-butene	12.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	25.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.50	U
	Xylenes (TOTAL)	7.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V218

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 20 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.50	U
74-83-9	bromomethane	2.50	U
75-01-4	vinyl chloride	2.50	U
75-00-3	chloroethane	2.50	U
75-09-2	methylene chloride	1.15	J
67-64-1	acetone	6.25	U
75-15-0	carbon disulfide	6.25	U
75-35-4	1,1-dichloroethene	2.50	U
75-34-3	1,1-dichloroethane	2.50	U
156-60-5	trans-1,2-dichloroethene	2.50	U
67-66-3	chloroform	2.50	U
107-06-2	1,2-dichloroethane	2.50	U
78-93-3	2-butanone	6.25	U
71-55-6	1,1,1-trichloroethane	2.50	U
56-23-5	carbon tetrachloride	2.50	U
75-27-4	bromodichloromethane	2.50	U
78-87-5	1,2-dichloropropane	2.50	U
10061-01-5	cis-1,3-dichloropropene	2.50	U
79-01-6	trichloroethene	2.50	U
124-48-1	dibromochloromethane	2.50	U
79-00-5	1,1,2-trichloroethane	2.50	U
71-43-2	benzene	2.85	B
10061-02-6	trans-1,3-dichloropropene	2.50	U
75-25-2	bromoform	2.50	U
108-10-1	4-methyl-2-pentanone	6.25	U
591-78-6	2-hexanone	6.25	U
127-18-4	tetrachloroethene	2.50	U
79-34-5	1,1,2,2-tetrachloroethane	2.50	U
108-88-3	toluene	2.50	U
108-90-7	chlorobenzene	2.50	U
100-41-4	ethylbenzene	2.50	U
100-42-5	styrene	2.50	U
75-71-8	Dichlorodifluoromethane	2.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-02CF0

'b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-03

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V218

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 20 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.50	U
107-13-1	Acrylonitrile	25.0	U
108-05-4	Vinyl Acetate	6.25	U
107-02-8	Acrolein	25.0	U
74-88-4	Iodomethane	6.25	U
75-05-8	Acetonitrile	12.5	U
107-05-1	Allyl Chloride	12.5	U
126-99-8	2-Chloro-1,3-butadiene	2.50	U
126-98-7	Methacrylonitrile	12.5	U
78-83-1	Isobutyl Alcohol	25.0	U
107-12-0	Propionitrile	25.0	U
74-95-3	Dibromomethane	2.50	U
80-62-6	Methyl methacrylate	12.5	U
106-93-4	1,2-Dibromoethane	2.50	U
630-20-6	1,1,1,2-Tetrachloroethane	2.50	U
96-18-4	1,2,3-Trichloropropane	2.50	U
110-57-6	trans-1,4-Dichloro-2-butene	12.5	U
108-60-1	bis(2-Chloro-isopropyl)ether	25.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.50	U
	Xylenes (TOTAL)	7.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V219

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.03	U
74-83-9	bromomethane	3.03	U
75-01-4	vinyl chloride	3.03	U
75-00-3	chloroethane	3.03	U
75-09-2	methylene chloride	1.64	J
67-64-1	acetone	7.58	U
75-15-0	carbon disulfide	7.58	U
75-35-4	1,1-dichloroethene	3.03	U
75-34-3	1,1-dichloroethane	3.03	U
156-60-5	trans-1,2-dichloroethene	3.03	U
67-66-3	chloroform	3.03	U
107-06-2	1,2-dichloroethane	3.03	U
78-93-3	2-butanone	7.58	U
71-55-6	1,1,1-trichloroethane	3.03	U
56-23-5	carbon tetrachloride	3.03	U
75-27-4	bromodichloromethane	3.03	U
78-87-5	1,2-dichloropropane	3.03	U
10061-01-5	cis-1,3-dichloropropene	3.03	U
79-01-6	trichloroethene	3.03	U
124-48-1	dibromochloromethane	3.03	U
79-00-5	1,1,2-trichloroethane	3.03	U
71-43-2	benzene	4.10	B
10061-02-6	trans-1,3-dichloropropene	3.03	U
75-25-2	bromoform	3.03	U
108-10-1	4-methyl-2-pentanone	7.58	U
591-78-6	2-hexanone	7.58	U
127-18-4	tetrachloroethene	3.03	U
79-34-5	1,1,2,2-tetrachloroethane	3.03	U
108-88-3	toluene	3.03	U
108-90-7	chlorobenzene	3.03	U
100-41-4	ethylbenzene	3.03	U
100-42-5	styrene	3.03	U
75-71-8	Dichlorodifluoromethane	3.03	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V219

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.03	U
107-13-1	Acrylonitrile	30.3	U
108-05-4	Vinyl Acetate	7.58	U
107-02-8	Acrolein	30.3	U
74-88-4	Iodomethane	7.58	U
75-05-8	Acetonitrile	15.2	U
107-05-1	Allyl Chloride	15.2	U
126-99-8	2-Chloro-1,3-butadiene	3.03	U
126-98-7	Methacrylonitrile	15.2	U
78-83-1	Isobutyl Alcohol	30.3	U
107-12-0	Propionitrile	30.3	U
74-95-3	Dibromomethane	3.03	U
80-62-6	Methyl methacrylate	15.2	U
106-93-4	1,2-Dibromoethane	3.03	U
630-20-6	1,1,1,2-Tetrachloroethane	3.03	U
96-18-4	1,2,3-Trichloropropane	3.03	U
110-57-6	trans-1,4-Dichloro-2-butene	15.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	30.3	U
96-12-8	1,2-dibromo-3-chloropropane	3.03	U
	Xylenes (TOTAL)	9.09	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V220

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.03	U
74-83-9	bromomethane	3.03	U
75-01-4	vinyl chloride	3.03	U
75-00-3	chloroethane	3.03	U
75-09-2	methylene chloride	1.60	J
67-64-1	acetone	7.58	U
75-15-0	carbon disulfide	7.58	U
75-35-4	1,1-dichloroethene	3.03	U
75-34-3	1,1-dichloroethane	3.03	U
156-60-5	trans-1,2-dichloroethene	3.03	U
67-66-3	chloroform	3.03	U
107-06-2	1,2-dichloroethane	3.03	U
78-93-3	2-butanone	7.58	U
71-55-6	1,1,1-trichloroethane	3.03	U
56-23-5	carbon tetrachloride	3.03	U
75-27-4	bromodichloromethane	3.03	U
78-87-5	1,2-dichloropropane	3.03	U
10061-01-5	cis-1,3-dichloropropene	3.03	U
79-01-6	trichloroethene	3.03	U
124-48-1	dibromochloromethane	3.03	U
79-00-5	1,1,2-trichloroethane	3.03	U
71-43-2	benzene	3.96	B
10061-02-6	trans-1,3-dichloropropene	3.03	U
75-25-2	bromoform	3.03	U
108-10-1	4-methyl-2-pentanone	7.58	U
591-78-6	2-hexanone	7.58	U
127-18-4	tetrachloroethene	3.03	U
79-34-5	1,1,2,2-tetrachloroethane	3.03	U
108-88-3	toluene	3.03	U
108-90-7	chlorobenzene	3.03	U
100-41-4	ethylbenzene	3.03	U
100-42-5	styrene	3.03	U
75-71-8	Dichlorodifluoromethane	3.03	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG1SS-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-04

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V220

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.03	U
107-13-1	Acrylonitrile	30.3	U
108-05-4	Vinyl Acetate	7.58	U
107-02-8	Acrolein	30.3	U
74-88-4	Iodomethane	7.58	U
75-05-8	Acetonitrile	15.2	U
107-05-1	Allyl Chloride	15.2	U
126-99-8	2-Chloro-1,3-butadiene	3.03	U
126-98-7	Methacrylonitrile	15.2	U
78-83-1	Isobutyl Alcohol	30.3	U
107-12-0	Propionitrile	30.3	U
74-95-3	Dibromomethane	3.03	U
80-62-6	Methyl methacrylate	15.2	U
106-93-4	1,2-Dibromoethane	3.03	U
630-20-6	1,1,1,2-Tetrachloroethane	3.03	U
96-18-4	1,2,3-Trichloropropane	3.03	U
110-57-6	trans-1,4-Dichloro-2-butene	15.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	30.3	U
96-12-8	1,2-dibromo-3-chloropropane	3.03	U
	Xylenes (TOTAL)	9.09	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. 8 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.17	U
74-83-9	bromomethane	2.17	U
75-01-4	vinyl chloride	2.17	U
75-00-3	chloroethane	2.17	U
75-09-2	methylene chloride	5.43	U
67-64-1	acetone	5.43	U
75-15-0	carbon disulfide	5.43	U
75-35-4	1,1-dichloroethene	2.17	U
75-34-3	1,1-dichloroethane	2.17	U
156-60-5	trans-1,2-dichloroethene	2.17	U
67-66-3	chloroform	2.17	U
107-06-2	1,2-dichloroethane	2.17	U
78-93-3	2-butanone	5.43	U
71-55-6	1,1,1-trichloroethane	2.17	U
56-23-5	carbon tetrachloride	2.17	U
75-27-4	bromodichloromethane	2.17	U
78-87-5	1,2-dichloropropane	2.17	U
10061-01-5	cis-1,3-dichloropropene	2.17	U
79-01-6	trichloroethene	2.17	U
124-48-1	dibromochloromethane	2.17	U
79-00-5	1,1,2-trichloroethane	2.17	U
71-43-2	benzene	2.25	B
10061-02-6	trans-1,3-dichloropropene	2.17	U
75-25-2	bromoform	2.17	U
108-10-1	4-methyl-2-pentanone	5.43	U
591-78-6	2-hexanone	5.43	U
127-18-4	tetrachloroethene	2.17	U
79-34-5	1,1,2,2-tetrachloroethane	2.17	U
108-88-3	toluene	2.17	U
108-90-7	chlorobenzene	2.17	U
100-41-4	ethylbenzene	2.17	U
100-42-5	styrene	2.17	U
75-71-8	Dichlorodifluoromethane	2.17	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-01

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V214

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. 8 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.17	U
107-13-1	Acrylonitrile	21.7	U
108-05-4	Vinyl Acetate	5.43	U
107-02-8	Acrolein	21.7	U
74-88-4	Iodomethane	5.43	U
75-05-8	Acetonitrile	10.9	U
107-05-1	Allyl Chloride	10.9	U
126-99-8	2-Chloro-1,3-butadiene	2.17	U
126-98-7	Methacrylonitrile	10.9	U
78-83-1	Isobutyl Alcohol	21.7	U
107-12-0	Propionitrile	21.7	U
74-95-3	Dibromomethane	2.17	U
80-62-6	Methyl methacrylate	10.9	U
106-93-4	1,2-Dibromoethane	2.17	U
630-20-6	1,1,1,2-Tetrachloroethane	2.17	U
96-18-4	1,2,3-Trichloropropane	2.17	U
110-57-6	trans-1,4-Dichloro-2-butene	10.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	21.7	U
96-12-8	1,2-dibromo-3-chloropropane	2.17	U
	Xylenes (TOTAL)	6.52	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

ıb Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.03	U
74-83-9	bromomethane	3.03	U
75-01-4	vinyl chloride	3.03	U
75-00-3	chloroethane	3.03	U
75-09-2	methylene chloride	1.06	J
67-64-1	acetone	7.58	U
75-15-0	carbon disulfide	7.58	U
75-35-4	1,1-dichloroethene	3.03	U
75-34-3	1,1-dichloroethane	3.03	U
156-60-5	trans-1,2-dichloroethene	3.03	U
67-66-3	chloroform	3.03	U
107-06-2	1,2-dichloroethane	3.03	U
78-93-3	2-butanone	7.58	U
71-55-6	1,1,1-trichloroethane	3.03	U
56-23-5	carbon tetrachloride	3.03	U
75-27-4	bromodichloromethane	3.03	U
78-87-5	1,2-dichloropropane	3.03	U
10061-01-5	cis-1,3-dichloropropene	3.03	U
79-01-6	trichloroethene	3.03	U
124-48-1	dibromochloromethane	3.03	U
79-00-5	1,1,2-trichloroethane	3.03	U
71-43-2	benzene	1.94	BJ
10061-02-6	trans-1,3-dichloropropene	3.03	U
75-25-2	bromoform	3.03	U
108-10-1	4-methyl-2-pentanone	7.58	U
591-78-6	2-hexanone	7.58	U
127-18-4	tetrachloroethene	3.03	U
79-34-5	1,1,2,2-tetrachloroethane	3.03	U
108-88-3	toluene	3.03	U
108-90-7	chlorobenzene	3.03	U
100-41-4	ethylbenzene	3.03	U
100-42-5	styrene	3.03	U
75-71-8	Dichlorodifluoromethane	3.03	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG2SS-03

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-02

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V215

Level: (low/med) LOW Date Received: 02/01/96

% Moisture: not dec. 34 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.03	U
107-13-1	Acrylonitrile	30.3	U
108-05-4	Vinyl Acetate	7.58	U
107-02-8	Acrolein	30.3	U
74-88-4	Iodomethane	7.58	U
75-05-8	Acetonitrile	15.2	U
107-05-1	Allyl Chloride	15.2	U
126-99-8	2-Chloro-1,3-butadiene	3.03	U
126-98-7	Methacrylonitrile	15.2	U
78-83-1	Isobutyl Alcohol	30.3	U
107-12-0	Propionitrile	30.3	U
74-95-3	Dibromomethane	3.03	U
80-62-6	Methyl methacrylate	15.2	U
106-93-4	1,2-Dibromoethane	3.03	U
630-20-6	1,1,1,2-Tetrachloroethane	3.03	U
96-18-4	1,2,3-Trichloropropane	3.03	U
110-57-6	trans-1,4-Dichloro-2-butene	15.2	U
108-60-1	bis(2-Chloro-isopropyl)ether	30.3	U
96-12-8	1,2-dibromo-3-chloropropane	3.03	U
	Xylenes (TOTAL)	9.09	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V207

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 17 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.41	U
74-83-9	bromomethane	2.41	U
75-01-4	vinyl chloride	2.41	U
75-00-3	chloroethane	2.41	U
75-09-2	methylene chloride	6.02	U
67-64-1	acetone	6.02	U
75-15-0	carbon disulfide	6.02	U
75-35-4	1,1-dichloroethene	2.41	U
75-34-3	1,1-dichloroethane	2.41	U
156-60-5	trans-1,2-dichloroethene	2.41	U
67-66-3	chloroform	2.41	U
107-06-2	1,2-dichloroethane	2.41	U
78-93-3	2-butanone	6.02	U
71-55-6	1,1,1-trichloroethane	2.41	U
56-23-5	carbon tetrachloride	2.41	U
75-27-4	bromodichloromethane	2.41	U
78-87-5	1,2-dichloropropane	2.41	U
10061-01-5	cis-1,3-dichloropropene	2.41	U
79-01-6	trichloroethene	2.41	U
124-48-1	dibromochloromethane	2.41	U
79-00-5	1,1,2-trichloroethane	2.41	U
71-43-2	benzene	2.70	B
10061-02-6	trans-1,3-dichloropropene	2.41	U
75-25-2	bromoform	2.41	U
108-10-1	4-methyl-2-pentanone	6.02	U
591-78-6	2-hexanone	6.02	U
127-18-4	tetrachloroethene	2.41	U
79-34-5	1,1,2,2-tetrachloroethane	2.41	U
108-88-3	toluene	2.41	U
108-90-7	chlorobenzene	2.41	U
100-41-4	ethylbenzene	2.41	U
100-42-5	styrene	2.41	U
75-71-8	Dichlorodifluoromethane	2.41	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-05

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V207

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 17 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.41	U
107-13-1	Acrylonitrile	24.1	U
108-05-4	Vinyl Acetate	6.02	U
107-02-8	Acrolein	24.1	U
74-88-4	Iodomethane	6.02	U
75-05-8	Acetonitrile	12.0	U
107-05-1	Allyl Chloride	12.0	U
126-99-8	2-Chloro-1,3-butadiene	2.41	U
126-98-7	Methacrylonitrile	12.0	U
78-83-1	Isobutyl Alcohol	24.1	U
107-12-0	Propionitrile	24.1	U
74-95-3	Dibromomethane	2.41	U
80-62-6	Methyl methacrylate	12.0	U
106-93-4	1,2-Dibromoethane	2.41	U
630-20-6	1,1,1,2-Tetrachloroethane	2.41	U
96-18-4	1,2,3-Trichloropropane	2.41	U
110-57-6	trans-1,4-Dichloro-2-butene	12.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	24.1	U
96-12-8	1,2-dibromo-3-chloropropane	2.41	U
	Xylenes (TOTAL)	7.23	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V221

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 41 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.39	U
74-83-9	bromomethane	3.39	U
75-01-4	vinyl chloride	3.39	U
75-00-3	chloroethane	3.39	U
75-09-2	methylene chloride	2.21	J
67-64-1	acetone	8.47	U
75-15-0	carbon disulfide	8.47	U
75-35-4	1,1-dichloroethene	3.39	U
75-34-3	1,1-dichloroethane	3.39	U
156-60-5	trans-1,2-dichloroethene	3.39	U
67-66-3	chloroform	3.39	U
107-06-2	1,2-dichloroethane	3.39	U
78-93-3	2-butanone	8.47	U
71-55-6	1,1,1-trichloroethane	3.39	U
56-23-5	carbon tetrachloride	3.39	U
75-27-4	bromodichloromethane	3.39	U
78-87-5	1,2-dichloropropane	3.39	U
10061-01-5	cis-1,3-dichloropropene	3.39	U
79-01-6	trichloroethene	3.39	U
124-48-1	dibromochloromethane	3.39	U
79-00-5	1,1,2-trichloroethane	3.39	U
71-43-2	benzene	3.57	B
10061-02-6	trans-1,3-dichloropropene	3.39	U
75-25-2	bromoform	3.39	U
108-10-1	4-methyl-2-pentanone	8.47	U
591-78-6	2-hexanone	8.47	U
127-18-4	tetrachloroethene	3.39	U
79-34-5	1,1,2,2-tetrachloroethane	3.39	U
108-88-3	toluene	3.39	U
108-90-7	chlorobenzene	3.39	U
100-41-4	ethylbenzene	3.39	U
100-42-5	styrene	3.39	U
75-71-8	Dichlorodifluoromethane	3.39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V221

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 41 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.39	U
107-13-1	Acrylonitrile	33.9	U
108-05-4	Vinyl Acetate	8.47	U
107-02-8	Acrolein	33.9	U
74-88-4	Iodomethane	8.47	U
75-05-8	Acetonitrile	16.9	U
107-05-1	Allyl Chloride	16.9	U
126-99-8	2-Chloro-1,3-butadiene	3.39	U
126-98-7	Methacrylonitrile	16.9	U
78-83-1	Isobutyl Alcohol	33.9	U
107-12-0	Propionitrile	33.9	U
74-95-3	Dibromomethane	3.39	U
80-62-6	Methyl methacrylate	16.9	U
106-93-4	1,2-Dibromoethane	3.39	U
630-20-6	1,1,1,2-Tetrachloroethane	3.39	U
96-18-4	1,2,3-Trichloropropane	3.39	U
110-57-6	trans-1,4-Dichloro-2-butene	16.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	33.9	U
96-12-8	1,2-dibromo-3-chloropropane	3.39	U
	Xylenes (TOTAL)	10.2	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V222

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 41 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.39	U
74-83-9	bromomethane	3.39	U
75-01-4	vinyl chloride	3.39	U
75-00-3	chloroethane	3.39	U
75-09-2	methylene chloride	2.01	J
67-64-1	acetone	8.47	U
75-15-0	carbon disulfide	8.47	U
75-35-4	1,1-dichloroethene	3.39	U
75-34-3	1,1-dichloroethane	3.39	U
156-60-5	trans-1,2-dichloroethene	3.39	U
67-66-3	chloroform	3.39	U
107-06-2	1,2-dichloroethane	3.39	U
78-93-3	2-butanone	8.47	U
71-55-6	1,1,1-trichloroethane	3.39	U
56-23-5	carbon tetrachloride	3.39	U
75-27-4	bromodichloromethane	3.39	U
78-87-5	1,2-dichloropropane	3.39	U
10061-01-5	cis-1,3-dichloropropene	3.39	U
79-01-6	trichloroethene	3.39	U
124-48-1	dibromochloromethane	3.39	U
79-00-5	1,1,2-trichloroethane	3.39	U
71-43-2	benzene	3.37	B
10061-02-6	trans-1,3-dichloropropene	3.39	U
75-25-2	bromoform	3.39	U
108-10-1	4-methyl-2-pentanone	8.47	U
591-78-6	2-hexanone	8.47	U
127-18-4	tetrachloroethene	3.39	U
79-34-5	1,1,2,2-tetrachloroethane	3.39	U
108-88-3	toluene	3.39	U
108-90-7	chlorobenzene	3.39	U
100-41-4	ethylbenzene	3.39	U
100-42-5	styrene	3.39	U
75-71-8	Dichlorodifluoromethane	3.39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BG3SS-03CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62001S

Matrix: (soil/water) SOIL Lab Sample ID: 9602001-06

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 1V222

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. 41 Date Analyzed: 02/13/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.39	U
107-13-1	Acrylonitrile	33.9	U
108-05-4	Vinyl Acetate	8.47	U
107-02-8	Acrolein	33.9	U
74-88-4	Iodomethane	8.47	U
75-05-8	Acetonitrile	16.9	U
107-05-1	Allyl Chloride	16.9	U
126-99-8	2-Chloro-1,3-butadiene	3.39	U
126-98-7	Methacrylonitrile	16.9	U
78-83-1	Isobutyl Alcohol	33.9	U
107-12-0	Propionitrile	33.9	U
74-95-3	Dibromomethane	3.39	U
80-62-6	Methyl methacrylate	16.9	U
106-93-4	1,2-Dibromoethane	3.39	U
630-20-6	1,1,1,2-Tetrachloroethane	3.39	U
96-18-4	1,2,3-Trichloropropane	3.39	U
110-57-6	trans-1,4-Dichloro-2-butene	16.9	U
108-60-1	bis(2-Chloro-isopropyl)ether	33.9	U
96-12-8	1,2-dibromo-3-chloropropane	3.39	U
----------	Xylenes (TOTAL)	10.2	U

CASE NARRATIVE
SDG 62028W

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

February 28, 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 betweeen February 2, 1996, and February 5, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage. Sample containers for S3MW-1 and S3MW-2 arrived with headspace. The samples were delivered with chain of custody documentation and signatures.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
TB01-013196	9602028-01
S3MW-6	9602028-02
S3MW-2	9602028-03
S3MW-1	9602028-04
S3MW-8	9602028-05
S3MW-9	9602028-06
S3MW-7	9602028-07
S3DPGW-01	9602028-08
TB01-020296	9602028-09
RB01-020296	9602028-10

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. Since several sample descriptions were changed, per Brown & Root, after the samples were logged, the raw data has been manually edited to reflect the change, but the forms and EDD match the new client sample description. 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

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:hali00196.022196

METALS DATA

CASE NARRATIVE
SDG 62028W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Colorimetrically

Sample Analysis

The following samples were analyzed for Tal Metals and Cyanide using ILM03.0:

Sample Description	Laboratory Identification
RB01-020296	9602028-10
RB01-020296 Matrix Spike (MS)	QC344313 - Hg
	QC339535 - CN
RB01-020296 Duplicate (Dup)	QC344314 - Hg
	QC339534 - CN
Blank	QC342111 - ICP
	QC344355 - Hg
	QC339536 - CN
Laboratory Control Sample (LCS)	QC342115 - ICP
	QC344315 - Hg
	QC339537 - CN
Laboratory Control Sample Duplicate (LCSD)	QC342116 - ICP
	QC339538 - CN

Instrument Calibration

All 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, Calcium, Iron, Magnesium, Potassium and Sodium were detected in the ICP method blank at levels greater than the instrument detection limits (IDL), but below the contract reporting limit (CRDL). No target analytes were detected in the method blank for Mercury or Cyanide analysis at levels greater than the IDL.

Spike and Duplication Analysis

The MS and Dup for Mercury and Cyanide met the quality control criteria for recovery and relative percent difference (RPD).

Laboratory Control Sample Analysis

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

Dilutions

The samples were analyzed undiluted.

Additional Comments

Quality control samples are not required for samples designated as field or rinsate blanks.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-020296

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00196_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 62028W

Matrix (soil/water): WATER Lab Sample ID: 9602028-10

Level (low/med): LOW__ Date Received: 02/05/96

% 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_	37.6	B		P
7440-36-0	Antimony_	2.6	U		P
7440-38-2	Arsenic__	4.9	U		P
7440-39-3	Barium___	0.64	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	100	B		P
7440-47-3	Chromium_	1.3	B		P
7440-48-4	Cobalt___	0.80	U		P
7440-50-8	Copper___	1.2	U		P
7439-89-6	Iron____	13.9	B		P
7439-92-1	Lead____	1.8	U		P
7439-95-4	Magnesium	32.5	B		P
7439-96-5	Manganese	0.60	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	1.3	U		P
7440-09-7	Potassium	17.8	B		P
7782-49-2	Selenium_	4.8	U		P
7440-22-4	Silver___	0.70	U		P
7440-23-5	Sodium___	712	B		P
7440-28-0	Thallium_	4.5	U		P
7440-62-2	Vanadium_	0.70	U		P
7440-66-6	Zinc____	4.0	B		P
74-90-8__	Cyanide__	0.80	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

HERBICIDE DATA

CASE NARRATIVE
SDG 62028W
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
RB01-020296	9602028-10
Blank	QC340420
Laboratory Control Sample (LCS)	QC340421
Laboratory Control Sample Duplicate (LCSD)	QC340422
S2MW-7 Matrix Spike (MS)	QC340423
S2MW-7 Matrix Spike Duplicate (MSD)	QC340424

Instrument Calibration

The initial and continuing calibration criteria established in the methodology were met for all compounds of interest, with the exception of 2,4,5-T, which did not meet acceptance criteria on the confirmation column.

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 met quality control criteria for recoveries and RPD. The limits are generated by SPC.

Dilutions

A standard 10x dilution was made on all samples and QC samples.

Additional Comments

The sample spiked is a Brown & Root sample not included in this SDG. The data are reported on the Form 1s and Form 3, but is not reported on the EDD.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RB01-020296

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 875 (g/mL) mL Lab File ID: APBXB27

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/02/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 02/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.23	U
95-76-5	2,4,5-T	0.23	U
93-72-1	SILVEX	0.11	U

PESTICIDE/PCB DATA

CASE NARRATIVE
SDG 62028W
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
RB01-020296	9602028-10
Blank	QC344288
Laboratory Control Sample (LCS)	QC344289
Laboratory Control Sample Duplicate (LCSD)	QC344290

Instrument Calibration

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

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

All samples met surrogate recovery acceptance criteria.

Blank Analysis

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

Spike Analysis

Quality control samples are not required for samples designated as field or rinsate blanks.

Laboratory Control Samples

The LCS failed recovery criteria for gamma-BHC, Heptachlor, Dieldrin, Endrin, and 4,4'-DDT. However, the LCSD passed recovery criteria, but failed relative percent difference (RPD) criteria. Quality control samples are not required for samples designated as field or rinsate blanks.

Dilutions

The samples were analyzed undiluted.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 900 (g/mL) mL Lab File ID: BKJVB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/29/96

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	0.022	U
319-85-7	beta-BHC	0.022	U
319-86-8	delta-BHC	0.022	U
58-89-9	gamma-BHC (Lindane)	0.022	U
76-44-8	Heptachlor	0.022	U
309-00-2	Aldrin	0.030	P
1024-57-3	Heptachlor epoxide	0.022	U
959-98-8	Endosulfan I	0.022	U
60-57-1	Dieldrin	0.044	U
72-55-9	4,4'-DDE	0.044	U
72-20-8	Endrin	0.044	U
33213-65-9	Endosulfan II	0.044	U
72-54-8	4,4'-DDD	0.044	U
1031-07-8	Endosulfan sulfate	0.044	U
50-29-3	4,4'-DDT	0.044	U
72-43-5	Methoxychlor	0.22	U
7421-93-4	Endrin aldehyde	0.044	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.14	U
11104-28-2	Aroclor-1221	0.14	U
1114-16-5	Aroclor-1232	0.14	U
53469-21-9	Aroclor-1242	0.14	U
12672-29-6	Aroclor-1248	0.14	U
11097-69-1	Aroclor-1254	0.14	U
11096-82-5	Aroclor-1260	0.14	U
57-74-9	Chlordane (tech.)	0.28	U
298-02-2	Phorate	0.056	U
298-00-0	Methyl Parathion	0.056	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296

'b Name: Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 900 (g/mL) mL Lab File ID: BKJVB16

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/27/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/29/96

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	0.056	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 62028W
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
S3MW-6	9602028-02
S3MW-2	9602028-03
S3MW-1	9602028-04
S3MW-8	9602028-05
S3MW-9	9602028-06
S3MW-7	9602028-07
S3DPGW-01	9602028-08
RB01-020296	9602028-10
Blank	QC339524
Laboratory Control Sample (LCS)	QC339525
Laboratory Control Sample Duplicate (LCSD)	QC339529
S3MW-6 Matrix Spike (MS)	QC339527
S3MW-6 Matrix Spike Duplicate (MSD)	QC339528
Blank	QC343447
LCS	QC343448
LCSD	QC343449
S3MW-1 (MS)	QC343450
S3MW-1 (MSD)	QC343451

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

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, samples S3MW-1, S3MW-9, S3MW-7 and S3DPGW-01 were re-extracted out of holding due to initial acid surrogate failure. A Nonconformance Report (GEL-AS-OA-2195) has been generated and is included in the package.

Surrogate Analysis

Surrogates for sample S3MW-2 were diluted due to matrix interference. Sample S3MW-6 and its corresponding QC (QC339527 and QC339528) failed surrogate recovery, confirming matrix interference. Samples S3MW-1, S3MW-9, S3MW-7 and S3DPGW-01 did not meet the acid surrogate recovery criteria. The samples were re-extracted out of

holding (for the acid fraction only), and the re-analyses met acid surrogate recovery criteria. Data from both analyses are reported on the forms and EDD.

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

The initial MS (QC339527) and MSD (QC339528) failed QC criteria. Duplication confirms matrix interference. The re-extracted MS (QC343450) and MSD (QC343451) met quality control criteria for recoveries and relative percent difference (RPD). The MS limits are generated by Statistical Process Control (SPC). The LCS and LCSD can be used to demonstrate accuracy and precision for the initial analysis.

Laboratory Control Samples

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

Dilutions

Sample S3MW-2 was diluted 4x due to matrix interference.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H419

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
108-39-4/106-44-5	3-methylphenol/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.

RB01-020296

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H419

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
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	53.8	
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.

RB01-020296

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H419

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
62-75-9	N-methyl-N-nitrosomethylamine	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.

RB01-020296

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H419

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H418

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S3DPGW-01

-b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H418

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H418

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3DPGW-01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H418

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H515

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H414

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S3MW-1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H414

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3MW-1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H414

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3MW-1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H414

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H512

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H413

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	40.0	U
95-48-7	2-methylphenol	40.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	40.0	U
67-72-1	hexachloroethane	40.0	U
98-95-3	nitrobenzene	40.0	U
87-68-3	hexachlorobutadiene	40.0	U
88-06-2	2,4,6-trichlorophenol	40.0	U
95-95-4	2,4,5-trichlorophenol	40.0	U
121-14-2	2,4-dinitrotoluene	40.0	U
118-74-1	hexachlorobenzene	40.0	U
87-86-5	pentachlorophenol	40.0	U
62-53-3	aniline	40.0	U
108-95-2	phenol	40.0	U
111-44-4	bis(2-chloroethyl)ether	40.0	U
95-57-8	2-chlorophenol	40.0	U
541-73-1	1,3-dichlorobenzene	40.0	U
106-46-7	1,4-dichlorobenzene	40.0	U
100-51-6	benzyl alcohol	40.0	U
95-50-1	1,2-dichlorobenzene	40.0	U
98-86-2	acetophenone	40.0	U
621-64-7	N-nitroso-di-n-propylamine	40.0	U
78-59-1	isophorone	40.0	U
88-75-5	2-nitrophenol	40.0	U
105-67-9	2,4-dimethylphenol	40.0	U
111-91-1	bis(2-chloroethoxy)methane	40.0	U
120-83-2	2,4-dichlorophenol	40.0	U
120-82-1	1,2,4-trichlorobenzene	40.0	U
91-20-3	naphthalene	114	
106-47-8	4-chloroaniline	40.0	U
59-50-7	4-chloro-3-methylphenol	40.0	U
91-57-6	2-methylnaphthalene	67.4	
77-47-4	hexachlorocyclopentadiene	40.0	U
91-58-7	2-chloronaphthalene	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H413

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	40.0	U
131-11-3	dimethylphthalate	40.0	U
209-96-8	acenaphthylene	40.0	U
606-20-2	2,6-dinitrotoluene	40.0	U
99-09-2	3-nitroaniline	40.0	U
83-32-9	acenaphthene	40.0	U
51-28-5	2,4-dinitrophenol	80.0	U
132-64-9	dibenzofuran	40.0	U
100-02-7	4-nitrophenol	80.0	U
84-66-2	diethylphthalate	40.0	U
7005-72-3	4-chlorophenylphenylether	40.0	U
86-73-7	fluorene	40.0	U
100-01-6	4-nitroaniline	40.0	U
534-52-1	4,6-dinitro-2-methylphenol	40.0	U
86-30-6	N-nitroso-diphenylamine	40.0	U
101-55-3	4-bromophenylphenylether	40.0	U
85-01-8	phenanthrene	40.0	U
120-12-7	anthracene	40.0	U
84-74-2	di-n-butylphthalate	40.0	U
206-44-0	fluoranthene	40.0	U
129-00-0	pyrene	40.0	U
85-68-7	butylbenzylphthalate	40.0	U
91-94-1	3,3'-dichlorobenzidine	200	U
56-55-3	benzo(a)anthracene	40.0	U
218-01-9	chrysene	40.0	U
117-81-7	bis(2-ethylhexyl)phthalate	40.0	U
117-84-0	di-n-octylphthalate	40.0	U
205-99-2	benzo(b)fluoranthene	40.0	U
207-08-9	benzo(k)fluoranthene	40.0	U
50-32-8	benzo(a)pyrene	40.0	U
193-39-5	indeno(1,2,3-cd)pyrene	40.0	U
53-70-3	dibenz(a,h)anthracene	40.0	U
191-24-2	benzo(g,h,i)perylene	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H413

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	40.0	U
123-91-1	1,4-dioxane	40.0	U
80-62-6	methyl methacrylate	40.0	U
97-63-2	ethyl methacrylate	40.0	U
109-06-8	2-picoline	40.0	U
10595-95-6	n-nitrosomethylethylamine	40.0	U
66-27-3	methyl methanesulfonate	40.0	U
55-18-5	n-nitrosodiethylamine	40.0	U
62-50-0	ethyl methanesulfonate	40.0	U
76-01-7	pentachloroethane	40.0	U
930-55-2	n-nitrosopyrrolidine	40.0	U
59-89-2	n-nitrosomorpholine	40.0	U
95-53-4	o-toluidine	40.0	U
100-75-4	n-nitrosopiperdine	40.0	U
122-09-8	a,a-dimethylphenethylamine	40.0	U
126-68-1	triethylphosphorothioate	40.0	U
87-65-0	2,6-dichlorophenol	40.0	U
1888-71-7	hexachloropropene	40.0	U
106-50-3	p-phenylenediamine	80.0	U
924-16-3	n-nitroso-di-n-butylamine	40.0	U
94-59-7	safrole	40.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	40.0	U
120-58-1	isosafrole	40.0	U
130-15-4	1,4-naphthoquinone	40.0	U
99-65-0	m-dinitrobenzene	40.0	U
608-93-5	pentachlorobenzene	40.0	U
134-32-7	1-naphthylamine	40.0	U
91-59-8	2-naphthylamine	40.0	U
58-90-2	2,3,4,6-tetrachlorophenol	40.0	U
99-55-8	5-nitro-o-toluidine	40.0	U
297-97-2	thionazine	40.0	U
122-39-4	diphenylamine	40.0	U
3689-24-5	sulfotepp	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H413

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	200	U
62-44-2	phenacetin	40.0	U
2303-16-4	diallate	40.0	U
60-51-5	dimethoate	200	U
92-67-1	4-aminobiphenyl	40.0	U
82-68-8	pentachloronitrobenzene	40.0	U
23950-58-5	pronamide	40.0	U
88-85-7	dinoseb	40.0	U
298-04-4	disulfoton	40.0	U
56-57-5	4-nitroquinoline-1-oxide	40.0	U
135-23-9	methapyrilene	200	U
465-73-6	isodrin	40.0	U
140-57-8	aramite	40.0	U
143-50-0	kepone	40.0	U
60-11-7	p-(dimethylamino)azobenzene	40.0	U
510-15-6	chlorobenzilate	200	U
119-93-7	3,3'-dimethylbenzidine	200	U
52-85-7	famphur	40.0	U
53-96-3	2-acetylaminofluorene	40.0	U
57-97-6	7,12-dimethylbenz(a)anthracene	40.0	U
59-49-5	3-methylcholanthrene	40.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H412

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S3MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H412

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H412

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3MW-6

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H412

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H417

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S3MW-7

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H417

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3MW-7

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H417

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3MW-7

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H417

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H514

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H415

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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	19.4	
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.6	
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H415

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3MW-8

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H415

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3MW-8

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H415

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H416

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/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.

S3MW-9

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H416

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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.

S3MW-9

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H416

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamine	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.

S3MW-9

Lab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1H416

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/06/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/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)anthracene	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9RR0

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 3H513

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/22/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 02/23/96

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
95-48-7	2-methylphenol	10.0	U
108-39-4/106-44-5	3-methylphenol/4-methylphenol	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
95-57-8	2-chlorophenol	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
100-02-7	4-nitrophenol	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
88-85-7	dinoseb	10.0	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 62028W
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
TB01-013196	9602028-01
S3MW-6	9602028-02
S3MW-2	9602028-03
S3MW-1	9602028-04
S3MW-8	9602028-05
S3MW-9	9602028-06
S3MW-7	9602028-07
S3DPGW-01	9602028-08
TB01-020296	9602028-09
RB01-020296	9602028-10
Blank	QC339288
Laboratory Control Sample (LCS)	QC339293
S3MW-6 Post Spike (PS)	QC339291
S3MW-6 Post Spike Duplicate (PSD)	QC339292

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.

Spike Analysis

The PS and PSD met quality control criteria for recovery and relative percent difference (RPD). The PS limits are generated by Statistical Process 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.

Indicate samples flagged as not preserved per NCR GEL-AS-VO-305 S3MW-2,8&9

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U217

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	1.07	JB
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U217

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U305

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	1.51	JB
67-64-1	acetone	3.80	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	0.289	J
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-020296CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U305

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U229

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U229

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01CF0

:b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U315

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	2.49	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	0.539	J
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3DPGW-01CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-08

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U315

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U225

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U225

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	1.32	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U311

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	2.54	J
75-15-0	carbon disulfide	12.4	
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-1CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U311

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U230

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

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	U
74-83-9	bromomethane	20.0	U
75-01-4	vinyl chloride	20.0	U
75-00-3	chloroethane	20.0	U
75-09-2	methylene chloride	11.2	JB
67-64-1	acetone	50.0	U
75-15-0	carbon disulfide	50.0	U
75-35-4	1,1-dichloroethene	20.0	U
75-34-3	1,1-dichloroethane	20.0	U
156-60-5	trans-1,2-dichloroethene	20.0	U
67-66-3	chloroform	20.0	U
107-06-2	1,2-dichloroethane	20.0	U
78-93-3	2-butanone	50.0	U
71-55-6	1,1,1-trichloroethane	20.0	U
56-23-5	carbon tetrachloride	20.0	U
75-27-4	bromodichloromethane	20.0	U
78-87-5	1,2-dichloropropane	20.0	U
10061-01-5	cis-1,3-dichloropropene	20.0	U
79-01-6	trichloroethene	20.0	U
124-48-1	dibromochloromethane	20.0	U
79-00-5	1,1,2-trichloroethane	20.0	U
71-43-2	benzene	20.0	U
10061-02-6	trans-1,3-dichloropropene	20.0	U
75-25-2	bromoform	20.0	U
108-10-1	4-methyl-2-pentanone	50.0	U
591-78-6	2-hexanone	50.0	U
127-18-4	tetrachloroethene	20.0	U
79-34-5	1,1,2,2-tetrachloroethane	20.0	U
108-88-3	toluene	20.0	U
108-90-7	chlorobenzene	20.0	U
100-41-4	ethylbenzene	10.9	J
100-42-5	styrene	20.0	U
75-71-8	Dichlorodifluoromethane	20.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U230

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

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	20.0	U
107-13-1	Acrylonitrile	200	U
108-05-4	Vinyl Acetate	50.0	U
107-02-8	Acrolein	200	U
74-88-4	Iodomethane	10.9	J
75-05-8	Acetonitrile	100	U
107-05-1	Allyl Chloride	100	U
126-99-8	2-Chloro-1,3-butadiene	20.0	U
126-98-7	Methacrylonitrile	100	U
78-83-1	Isobutyl Alcohol	200	U
107-12-0	Propionitrile	200	U
74-95-3	Dibromomethane	20.0	U
80-62-6	Methyl methacrylate	100	U
106-93-4	1,2-Dibromoethane	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	20.0	U
96-18-4	1,2,3-Trichloropropane	20.0	U
110-57-6	trans-1,4-Dichloro-2-butene	100	U
----------	bis(2-Chloro-isopropyl)ether	200	U
96-12-8	1,2-dibromo-3-chloropropane	20.0	U
----------	xylenes (total)	60.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U316

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

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	U
74-83-9	bromomethane	20.0	U
75-01-4	vinyl chloride	20.0	U
75-00-3	chloroethane	20.0	U
75-09-2	methylene chloride	11.5	JB
67-64-1	acetone	27.4	J
75-15-0	carbon disulfide	50.0	U
75-35-4	1,1-dichloroethene	20.0	U
75-34-3	1,1-dichloroethane	20.0	U
156-60-5	trans-1,2-dichloroethene	20.0	U
67-66-3	chloroform	20.0	U
107-06-2	1,2-dichloroethane	20.0	U
78-93-3	2-butanone	50.0	U
71-55-6	1,1,1-trichloroethane	20.0	U
56-23-5	carbon tetrachloride	20.0	U
75-27-4	bromodichloromethane	20.0	U
78-87-5	1,2-dichloropropane	20.0	U
10061-01-5	cis-1,3-dichloropropene	20.0	U
79-01-6	trichloroethene	20.0	U
124-48-1	dibromochloromethane	20.0	U
79-00-5	1,1,2-trichloroethane	20.0	U
71-43-2	benzene	20.0	U
10061-02-6	trans-1,3-dichloropropene	20.0	U
75-25-2	bromoform	20.0	U
108-10-1	4-methyl-2-pentanone	50.0	U
591-78-6	2-hexanone	50.0	U
127-18-4	tetrachloroethene	20.0	U
79-34-5	1,1,2,2-tetrachloroethane	20.0	U
108-88-3	toluene	20.0	U
108-90-7	chlorobenzene	20.0	U
100-41-4	ethylbenzene	9.05	J
100-42-5	styrene	20.0	U
75-71-8	Dichlorodifluoromethane	20.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-2DL1

'b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-03

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U316

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 10.0

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	20.0	U
107-13-1	Acrylonitrile	200	U
108-05-4	Vinyl Acetate	50.0	U
107-02-8	Acrolein	200	U
74-88-4	Iodomethane	50.0	U
75-05-8	Acetonitrile	100	U
107-05-1	Allyl Chloride	100	U
126-99-8	2-Chloro-1,3-butadiene	20.0	U
126-98-7	Methacrylonitrile	100	U
78-83-1	Isobutyl Alcohol	200	U
107-12-0	Propionitrile	200	U
74-95-3	Dibromomethane	20.0	U
80-62-6	Methyl methacrylate	100	U
106-93-4	1,2-Dibromoethane	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	20.0	U
96-18-4	1,2,3-Trichloropropane	20.0	U
110-57-6	trans-1,4-Dichloro-2-butene	100	U
----------	bis(2-Chloro-isopropyl)ether	200	U
96-12-8	1,2-dibromo-3-chloropropane	20.0	U
----------	xylenes (total)	8.57	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U206

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.70	
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.14	
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U206

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	6.29	
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	0.823	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U228

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U228

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	0.702	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7CF0

ıb Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U314

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	2.48	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	0.470	J
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-7CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U314

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U226

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	8.92	
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	5.42	
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U226

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	2.28	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
	xylenes (total)	2.04	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U312

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.112	JB
67-64-1	acetone	4.18	J
75-15-0	carbon disulfide	2.04	J
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	3.18	J
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	5.14	
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-8CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U312

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	3.24	J
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	2.04	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U227

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U227

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9CF0

·b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U313

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	5.00	U
67-64-1	acetone	3.10	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3MW-9CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U313

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013196

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U220

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.0498	JB
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	3.58	J
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013196

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U220

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	3.15	J
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013196CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U317

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.855	JB
67-64-1	acetone	2.50	J
75-15-0	carbon disulfide	5.00	U
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-013196CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U317

Level: (low/med) LOW Date Received: 02/02/96

% Moisture: not dec. _____ Date Analyzed: 02/07/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-020296

b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U218

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
74-83-9	bromomethane	2.00	U
75-01-4	vinyl chloride	2.00	U
75-00-3	chloroethane	2.00	U
75-09-2	methylene chloride	0.556	JB
67-64-1	acetone	5.00	U
75-15-0	carbon disulfide	3.62	J
75-35-4	1,1-dichloroethene	2.00	U
75-34-3	1,1-dichloroethane	2.00	U
156-60-5	trans-1,2-dichloroethene	2.00	U
67-66-3	chloroform	2.00	U
107-06-2	1,2-dichloroethane	2.00	U
78-93-3	2-butanone	5.00	U
71-55-6	1,1,1-trichloroethane	2.00	U
56-23-5	carbon tetrachloride	2.00	U
75-27-4	bromodichloromethane	2.00	U
78-87-5	1,2-dichloropropane	2.00	U
10061-01-5	cis-1,3-dichloropropene	2.00	U
79-01-6	trichloroethene	2.00	U
124-48-1	dibromochloromethane	2.00	U
79-00-5	1,1,2-trichloroethane	2.00	U
71-43-2	benzene	2.00	U
10061-02-6	trans-1,3-dichloropropene	2.00	U
75-25-2	bromoform	2.00	U
108-10-1	4-methyl-2-pentanone	5.00	U
591-78-6	2-hexanone	5.00	U
127-18-4	tetrachloroethene	2.00	U
79-34-5	1,1,2,2-tetrachloroethane	2.00	U
108-88-3	toluene	2.00	U
108-90-7	chlorobenzene	2.00	U
100-41-4	ethylbenzene	2.00	U
100-42-5	styrene	2.00	U
75-71-8	Dichlorodifluoromethane	2.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01-020296

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 62028W

Matrix: (soil/water) WATER Lab Sample ID: 9602028-09

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1U218

Level: (low/med) LOW Date Received: 02/05/96

% Moisture: not dec. _____ Date Analyzed: 02/06/96

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	2.00	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.00	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.00	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.00	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	2.00	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	2.00	U
96-18-4	1,2,3-Trichloropropane	2.00	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
----------	bis(2-Chloro-isopropyl)ether	20.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.00	U
----------	xylenes (total)	6.00	U

BROWN & ROOT

SPECIFIC REPORT

CLEAN CONTRACT N62467-94-D-0888

SDG 62300S

GENERAL ENGINEERING LABORATORIES
Meeting today's needs with a vision for tomorrow.

February 26, 1996

Mr. Kevin Walter
Brown & Root Environmental
Savannah River Center
900 Trail Ridge Road
Aiken, SC 29803

Dear Mr. Walter:

I am sending you the data package for the Clean Contract samples. The samples were analyzed for Total Organic Carbon (TOC).

General Engineering Laboratories appreciates this opportunity to provide you with analytical results, and trusts that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (803) 556-8171.

Yours very truly,

Valerie S Davis

Valerie S. Davis
Project Manager

enclosure

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

BROWN & ROOT
SDG 62300S
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GENERAL CASE NARRATIVE

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

February 26, 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 January 19, 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
S9SB-1	9602300-01
S9SB-2	9602300-02
S9SB-3	9602300-03
S9SB-4	9602300-04
S9SB-5	9602300-05

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.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Wet Chemistry, Chain of Custody, Nonconformance Reports, and Electronic Data Hardcopy Report.

The Certificate of Analysis contains the following headings:

Sample ID:	Sample description taken from chain of custody
Lab ID:	This is the laboratory identification number
Matrix:	Sample matrix
Date Collected:	Date of sample collection
Date Received:	Date of sample receipt by the laboratory
Priority:	Internal status of sample turnaround
Collector:	Who collected the sample

The detail on the Certificate includes the following:

Parameter:	Analyte or characteristic tested for in the sample
Qualifier:	Qualifier used for data interpretation
Result:	Final result of each parameter
DL:	Detection limit
RL:	Reporting limit
Units:	Units of final result
DF:	Dilution factor
Analyst:	Initials of analyst who performed the test
Date:	Date of analysis
Time:	Time of analysis
Batch:	Analytical batch in which the sample was analyzed
M:	Analytical method used for the analysis of the sample--identified at the end of the report
C:	Container number--identified at the end of the report

The QC Summary Report contains the following headings:

Sample/Parameter:	Laboratory identification number/Analyte or characteristic tested for in the lab
Type:	Type of QC sample
Batch:	Analytical batch in which the sample was analyzed
NOM:	Nominal concentration used in surrogates and spikes
Sample:	Result in the sample chosen for QC
QC:	Result in the QC sample
Units:	Units of results
RPD%:	Relative percent difference between spike/and its spike duplicate
REC%:	Spike recovery
Range:	Acceptable range for QC result being reported
Analyst:	Initials of analyst who performed the test
Date:	Date of analysis
Time:	Time of analysis

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

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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:hali00196.022696

CASE NARRATIVE
SDG 62300S
General Wet Chemistry Analysis

Analyses Evaluated

The following samples were analyzed for Total Organic Carbon (TOC) by SW-846 Method 9060 Modified:

Sample Description	Laboratory Identification
S9SB-1	9602300-01
S9SB-2	9602300-02
S9SB-3	9602300-03
S9SB-4	9602300-04
SRSB-5	9602300-05
Blank	QC342532
Laboratory Control Sample (LCS)	QC342535
Laboratory Control Sample Duplicate (LCSD)	QC342536
S9SB-1 Duplicate (Dup)	QC342533
S9SB-1 Post Spike (PS)	QC342534

Instrument Calibration

Initial calibration standard criteria established in the methodology and SOP were met.

Holding Times

According to the method's hold time of 28 days for liquid samples, the samples went out of holding on the day the analyses were requested by Brown & Root. There is no hold time specified in the method for solid samples. Per Brown & Root, we proceeded with the analyses.

Blank Analysis

The sample blank value was below the PQL of 100 mg/Kg.

Spike and Duplicate Analysis

The PS met acceptance recovery criteria, and the dup met relative percent difference (RPD) acceptance criteria.

Laboratory Control Sample Analysis

The LCS and LCSD met established acceptance criteria for recovery and RPD.

Dilutions

The samples were analyzed undiluted. However, all samples had a prep factor of approximately 9x before analysis.

Additional Comments

Method 9060 does not cover soil samples. The method was modified to run soils.

Test Listing for: TOC Matrix: Soil Project #: HALI Date: 27-FEB-96 Page No.: 1

TEST INFO

Description: Total Organic Carbon
Analysis Method: EPA 9060 modified Prep Method: N/A
Holddays: 28 Prep Holddays: N/A
Price: 24.5 Batch Group: TOC [TOC]
Preservative: 4C Container: 100 g/G
Pay Item: N/A

REPORTED PARAMETERS

Parmname	RDL	RDL units	Uncorrected PQL	PQL units	Uncorrected MDL	MDL units	Nom Conc	RAW VALUE	units
Total Organic Carbon	100	mg/kg	100	mg/kg	27.9	mg/kg			mg/kg

SPIKE PARAMETERS

Parmname	RDL	RDL units	Uncorrected PQL	PQL units	Uncorrected MDL	MDL units	Nom Conc	RAW VALUE	units
Total Organic Carbon	100	mg/kg	100	mg/kg	27.9	mg/kg			mg/kg

SURROGATE PARAMETERS

Parmname	RDL	RDL units	Uncorrected PQL	PQL units	Uncorrected MDL	MDL units	Nom Conc	RAW VALUE	units

No surrogate parameters required

TOTAL ORGANIC CARBON DATA

GENERAL ENGINEERING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID	: 9601335-12-R S9SB-1
Lab ID	: 9602300-01
Matrix	: Soil
Date Collected	: 01/17/96
Date Received	: 02/15/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
Organic Prep												
Evaporative Loss @ 105 C		19.0	1.00	1.00	wt%	1.0	BDG	02/23/96	0730	80913	1	N
General Chemistry												
Total Organic Carbon		67400	267	956	mg/kg	1.0	LS	02/20/96	1308	80677	2	1

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 9060 modified

C = Container	Lab. Container ID	Reference ID
C 1	9602300-01.01	30435077

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicate that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0006

GENERAL ENGINEERING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID : 9601335-12-R S9SB-1

GEL Laboratory Certifications		EPI Laboratory Certifications	
AL - 41040	AZ - AZ0514	AL - 41050	AZ - AZ0514
CA - 2089	CT - PH-0169	CA - I-1023/2056	CT - PH-0175
DE - SC012	FL - E87156/87294	FL - E87472/87458	MS - 29417
ME - SC012	MS - 10120	NY - 11502	RI - 138
NC - 233	NY - 11501	SC - 10582	TN - 02934
RI - 135	SC - 10120	UT - E-227	VA - 00111
TN - 02934	UT - E-251	WA - C225	NJ - 79002
VA - 00151	WA - C223	PA - 68-485	
VI - 999887790			

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis at (803) 769-7391.

Analytical Report Specialist

0007

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GENERAL ENGINEERING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID	: 9601335-13-R S9SB-2
Lab ID	: 9602300-02
Matrix	: Soil
Date Collected	: 01/17/96
Date Received	: 02/15/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
Organic Prep												
Evaporative Loss @ 105 C		20.0	1.00	1.00	wt%	1.0	BDG	02/23/96	0730	80913	1	N
General Chemistry												
Total Organic Carbon		69400	236	846	mg/kg	1.0	LS	02/20/96	1534	80677	2	1

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 9060 modified

C = Container	Lab. Container ID	Reference ID
C 1	9602300-02.01	30435026

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicate that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0008

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9602300-02

GENERAL ENGINEERING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID : 9601335-13-R S9SB-2

GEL Laboratory Certifications		EPI Laboratory Certifications	
AL - 41040	AZ - AZ0514	AL - 41050	AZ - AZ0514
CA - 2089	CT - PH-0169	CA - I-1023/2056	CT - PH-0175
DE - SC012	FL - E87156/87294	FL - E87472/87458	MS - 29417
ME - SC012	MS - 10120	NY - 11502	RI - 138
NC - 233	NY - 11501	SC - 10582	TN - 02934
RI - 135	SC - 10120	UT - E-227	VA - 00111
TN - 02934	UT - E-251	WA - C225	NJ - 79002
VA - 00151	WA - C223	PA - 68-485	
WI - 999887790			

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis at (803) 769-7391.

Analytical Report Specialist

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GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID	: 9601335-14-R S9SB-3
Lab ID	: 9602300-03
Matrix	: Soil
Date Collected	: 01/17/96
Date Received	: 02/15/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
Organic Prep												
Evaporative Loss @ 105 C		20.0	1.00	1.00	wt%	1.0	BDG	02/23/96	0730	80913	1	N
General Chemistry												
[illegible]l Organic Carbon		72900	267	958	mg/kg	1.0	LS	02/20/96	1605	80677	2	1

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 9060 modified

C = Container	Lab. Container ID	Reference ID
C 1	9602300-03.01	30434125

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicate that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID : 9601335-14-R S9SB-3

GEL Laboratory Certifications		EPI Laboratory Certifications	
AL - 41040	AZ - AZ0514	AL - 41050	AZ - AZ0514
CA - 2089	CT - PH-0169	CA - I-1023/2056	CT - PH-0175
DE - SC012	FL - E87156/87294	FL - E87472/87458	MS - 29417
ME - SC012	MS - 10120	NY - 11502	RI - 138
NC - 233	NY - 11501	SC - 10582	TN - 02934
RI - 135	SC - 10120	UT - E-227	VA - 00111
TN - 02934	UT - E-251	WA - C225	NJ - 79002
VA - 00151	WA - C223	PA - 68-485	
VI - 999887790			

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID	: 9601335-15-R S9SB-4
Lab ID	: 9602300-04
Matrix	: Soil
Date Collected	: 01/17/96
Date Received	: 02/15/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
Organic Prep												
Evaporative Loss @ 105 C		19.0	1.00	1.00	wt%	1.0	BDG	02/23/96	0730	80913	1	N
General Chemistry												
[illegible]al Organic Carbon		54600	241	863	mg/kg	1.0	LS	02/20/96	1631	80677	2	1

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 9060 modified

C = Container	Lab. Container ID	Reference ID
C 1	9602300-04.01	30435035

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicate that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID : 9601335-15-R S9SB-4

GEL Laboratory Certifications		EPI Laboratory Certifications	
AL - 41040	AZ - AZ0514	AL - 41050	AZ - AZ0514
CA - 2089	CT - PH-0169	CA - I-1023/2056	CT - PH-0175
DE - SC012	FL - E87156/87294	FL - E87472/87458	MS - 29417
ME - SC012	MS - 10120	NY - 11502	RI - 138
NC - 233	NY - 11501	SC - 10582	TN - 02934
RI - 135	SC - 10120	UT - E-227	VA - 00111
TN - 02934	UT - E-251	WA - C225	NJ - 79002
VA - 00151	WA - C223	PA - 68-485	
VI - 999887790			

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CERTIFICATE OF ANALYSIS

Client: Brown & Root Environmental
900 Trail Ridge Road
Aiken, South Carolina 29803
Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID	: 9601335-16-R S9SB-5
Lab ID	: 9602300-05
Matrix	: Soil
Date Collected	: 01/17/96
Date Received	: 02/15/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
Organic Prep												
Evaporative Loss @ 105 C		19.0	1.00	1.00	wt%	1.0	BDG	02/23/96	0730	80913	1	N
General Chemistry												
[illegible]al Organic Carbon		59800	264	948	mg/kg	1.0	LS	02/20/96	1658	80677	2	1

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 9060 modified

C = Container	Lab. Container ID	Reference ID
C 1	9602300-05.01	30435033

Notes:
The qualifiers in this report are defined as follows:
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicate that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

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Client: Brown & Root Environmental
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Contact: Mr. Kevin Walter
Project Description: Navy Clean III- Key West

cc: HALI00196 Report Date: February 25, 1996

Sample ID : 9601335-16-R S9SB-5

GEL Laboratory Certifications		EPI Laboratory Certifications	
AL - 41040	AZ - AZ0514	AL - 41050	AZ - AZ0514
CA - 2089	CT - PH-0169	CA - I-1023/2056	CT - PH-0175
DE - SC012	FL - E87156/87294	FL - E87472/87458	MS - 29417
ME - SC012	MS - 10120	NY - 11502	RI - 138
NC - 233	NY - 11501	SC - 10582	TN - 02934
RI - 135	SC - 10120	UT - E-227	VA - 00111
TN - 02934	UT - E-251	WA - C225	NJ - 79002
VA - 00151	WA - C223	PA - 68-485	
WI - 999887790			

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QC Summary Report

Project Description: Navy Clean III- Key West

cc: HALI00196 Lab. Sample ID: 9602300% Report Date: February 27, 1996

Sample/Parameter	Type	Batch	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Analyst	Date	Time
General Chemistry													
QC342532	BLANK	80677											
Total Organic Carbon						0.414	mg/kg				LS	02/20/96	1507
QC342533	9602300-01DUP	80677											
Total Organic Carbon				67400		76900	mg/kg	13.2		(0.00 - 30.0)	LS	02/20/96	1435
QC342535	LCS	80677											
Total Organic Carbon			22500			22800	mg/kg		101	(70.9 - 132.)	LS	02/20/96	1210
QC342536	LCS DUP	80677											
Total Organic Carbon			2200			23700	mg/kg	3.87	105	(0.00 - 30.7)	LS	02/20/96	1237
QC342534	9602300-01PS	80677											
Total Organic Carbon			8420	67400		145000	mg/kg		96.9	(80.0 - 120.)	LS	02/20/96	1500

alifiers in this report are defined as follows:
J indicates presence of analyte < RL (Report Limit)
U indicates presence of analyte < DL (Detect Limit)

n/a indicates that spike recovery limits do not apply when
sample concentration exceeds spike conc by a factor of 4 or more

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