ALBION GROUND WATER DATA SUBMITTED 2-25-1993

ORGANICS AND INORGANICS

PREFERRED DUE DATE: MARCH 4, 1993

THE WELL ID'S SHOULD BE AS FOLLOWS

MW01SG
MW01WB
MW01SB

Back

MW02SG
MW02WB
MW02SB

Back

MW03SG
MW03WB
MW03SB

MW04SG(WB)
MW04WB(SB1)
MW04SB(SB2)
MW04DB

MW05SG
MW05SB

Back.

MW06SG
MW06WB
MW06SB

MW07SG
MW07WB
MW07SB

MW08SG
MW08WB
MW08SB

MW09SG
MW09WB
MW09SB

QA/QC SAMPLES HAVE;

TB (IS A TRIP BLANK)
FB (IS A FIELD BLANK)
DP (IS A DUPLICATE)

US EPA RECORDS CENTER REGION 5
471117

GW organics
(round 1)

MW 10-13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 6/2/93

SUBJECT: Review of Region V CLP Data Received for Review on March 15, 1993

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Chunlla for C.T. Elly
Central Regional Laboratory

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion-Sher TWP LF (MI)

CASE and/or SAS NUMBER: 19427 SDG NUMBER: EFR46

Number and Type of Samples: 8 Water

CLP Sample Numbers: EFR 42-49

CLP Laboratory: Pace Hrs. for Review 6 + 2 = 8 WSW

Following are our findings:

THE DATA ARE ACCEPTABLE WITH THE QUALIFICATIONS DESCRIBED IN THE ATTACHED REVIEW.

Patrick J. Chunlla
6/2/93

RECEIVED
JUN 07 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
56
MW10-TB
EFR48
Trip Blank

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46 2-4-93

Matrix: (soil/water) WATER Lab Sample ID:2096.6

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04208

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10 ~~4~~.	BJU
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
20-7	Xylene (total)	10.	U

CL 5-26-93

db

disk

040068

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SG
MW10R-FB
EFR42
Field Blank
2-4-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2092.3

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04126

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10 ~~1.~~	BJU
67-64-1	Acetone	14.	BU
75-15-0	Carbon Disulfide	10 ~~4.~~	BJU
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
00-42-5	Styrene	10.	U
0-7	Xylene (total)	10.	U

CL
5-26-93

db disk

040012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW105G

EFR43

Lab Name:PACE, INC Contract:68-D1-0089

2-4-93

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2093.1

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04127

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	42.	B
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

040025

db disk

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW115G
EFR44

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46 2-4-93

Matrix: (soil/water) WATER Lab Sample ID:2094.0

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04128

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10 ~~5.~~	BJ U
75-15-0	Carbon Disulfide	10 ~~4.~~	BJ U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

CL 5-26-93

db

disk

040031

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFR4556 MW11-DP Duplicate 2-4-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2095.8

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04129

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10 ~~A~~.	BJU
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

CL 5-26-93

db disk 040041

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
S6
MW12-TB
EFR49
2-3-93
Trip Blank

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1996.8

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04125

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	~~1~~ 10.	BJ U
67-64-1	Acetone	~~7~~ 10.	BJ U
75-15-0	Carbon Disulfide	~~4~~ 10.	BJ U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

CL 5-26-93

db disk 040076

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFR46 MW1256

2-3-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1994.1

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04121

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: not dec. Date Analyzed: 2/10/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10 ~~2.~~	BJU
75-15-0	Carbon Disulfide	10 ~~5.~~	BJU
75-35-4	1,1-Dichloroethene	10.	U J
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

CL 526-93

db

disk 040049

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW135G
EFR47
2-3-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1995.0

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: B04124

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: not dec. Date Analyzed: 2/11/93

GC Column:DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10 ~~3~~.	BJ U
75-15-0	Carbon Disulfide	10 ~~4~~.	BJ U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

CL 5-26-93

disk 040058

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SG
MW10-FB
EFR42
Field Blank
2-4-93

Lab Name: PACE, INC. Contract: 68-D1-0089

Lab Code: PACE Case No.: 19427 SAS No.: SDG No.: EFR46

Matrix: (soil/water) WATER Lab Sample ID: 2092.3

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05013

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U J
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

db disk

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SG
MW10-FB
Field Blank
EFR42
2-4-93

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2092.3

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05013

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U J
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db

disk

MW105G

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-4-93

EFR43

Lab Name: PACE, INC. Contract: 68-D1-0089

Lab Code: PACE Case No.: 19427 SAS No.: SDG No.: EFR46

Matrix: (soil/water) WATER Lab Sample ID: 2093.1

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05014

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

MW105G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-4-93

EFR43

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2093.1

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05014

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db disk

MW115G

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-4-93
EFR44

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2094.0

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05015

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

db disk

MW115G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-4-93
EFR44

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:2094.0

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05015

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db disk

MW11-DP SG

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. Duplicate

EFR45

Lab Name: PACE, INC. Contract: 68-D1-0089

Lab Code: PACE Case No.: 19427 SAS No.: SDG No.: EFR46 2-4-93

Matrix: (soil/water) WATER Lab Sample ID: 2095.8

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 06715

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 3/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

db disk

MW1156 - DP

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-4-93

EFR45

Lab Name: PACE, INC. Contract: 68-D1-0089

Lab Code: PACE Case No.: 19427 SAS No.: SDG No.: EFR46 Duplicate

Matrix: (soil/water) WATER Lab Sample ID: 2095.8

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 06715

Level: (low/med) LOW Date Received: 2/05/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 3/08/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	60.	
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db disk

050070

MW125G

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-3-93

EFR46

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1994.1

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05009

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U J
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U J
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

db disk

MW125G

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-3-93

EFR46

Lab Name: PACE, INC. Contract: 68-D1-0089

Lab Code: PACE Case No.: 19427 SAS No.: SDG No.: EFR46

Matrix: (soil/water) WATER Lab Sample ID: 1994.1

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05009

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U J
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db disk

FORM I SV-2

3/90

050092

MW135G

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-3-93

EFR47

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1995.0

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05012

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

db disk

MW135G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
2-3-93

EFR47

Lab Name:PACE, INC. Contract:68-D1-0089

Lab Code:PACE Case No.:19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water) WATER Lab Sample ID:1995.0

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 05012

Level: (low/med) LOW Date Received: 2/04/93

% Moisture: decanted: (Y/N) Date Extracted: 2/09/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/19/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db

disk

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW10SG-FB

EFR42

Field Blank
2-4-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water)WATER Lab Sample ID: 2092.3

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/05/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/03/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U J
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST db disk 3/90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW105G

EFR43

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46 2-4-93

Matrix: (soil/water)WATER Lab Sample ID: 2093.1

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/05/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/02/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db disk

FORM I PEST 3/90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW1156

EFR44

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46 2-4-93

Matrix: (soil/water)WATER Lab Sample ID: 2094.0

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/05/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/02/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.012	JP
5103-74-2	gamma-Chlordane	0.012	JP
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW115G-DP

EFR45

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46 2-4-93 Duplicate

Matrix: (soil/water)WATER Lab Sample ID: 2095.8

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/05/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/02/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.027	JP
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.014	JP
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.016	PJ
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW1256
EFR46 2-3-93

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water)WATER Lab Sample ID: 1994.1

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/04/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/03/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db disk

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW135G
2-3-93
EFR47

Lab Name:PACE, INC Contract:68-D1-0089

Lab Code:PACE Case No.19427 SAS No.: SDG No.:EFR46

Matrix: (soil/water)WATER Lab Sample ID: 1995.0

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 2/04/93

Extraction: (SepF/Cont/Sonc)SEPF Date Extracted: 2/08/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 3/03/93

Injection Volume: 0.5 (uL) Dilution Factor: 1.0

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
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db disk

Ground Water
Organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/19/93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan ~~30~~ 26, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chunilla for C.T. Elly

TO: Data User: WWES

Please forward to Brad (Jerry) and discuss timetable for completion (there are in order of location) Wayne
inorganics in another envelope

We have reviewed th wing case.

SITE NAME: ALB TWP OF (MI)

CASE and/or SAS NU SDG NUMBER: EMA40

Number and Type of Water

CLP Sample Numbers: EMA36-44, 48, 59, 61-62

CLP Laboratory: AATS Hrs. for Review 20 hrs
3
23 wkw

Following are our findings:

THE DATA ARE ACCEPTABLE WITH QUALIFICATIONS AS DESCRIBED IN THE ATTACHED REVIEW
— Patrick J. Chunilla 2/19/93

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

Groundwater Organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 1/29/93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan 7, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chunilla for C.T. Elly

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Allison-Sher, TWP LF (MI)

CASE and/or SAS NUMBER: 19266 SDG NUMBER: EMA49

Number and Type of Samples: 7 (Water)

CLP Sample Numbers: EMA 49-53 EMA 57-58

CLP Laboratory: AATS Hrs. for Review 13.0+2=15 WAW

Following are our findings:

THE DATA ARE USABLE WITH THE QUALIFICATIONS THAT ARE NOTED IN THE ATTACHED REVIEW.

Patrick J. Chunilla 1/29/93

Reviewed + Copied WDS 2/5/93

RECEIVED
FEB 04 1993
ARCS PROGRAM MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

Ground water organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/19/93

SUBJECT: Review of Region V CLP Data Received for Review on Feb 3, 1993

FROM: Charles T. Elly, Director (SL-10C) Central Regional Laboratory — Patrick J. Chunilla for C.T. Elly

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sher. TWP LF (MI)

CASE and/or SAS NUMBER: 19292 SDG NUMBER: EMA47

Number and Type of Samples: 9

CLP Sample Numbers: EMA 47, 64-65, 63, 66-68, 46, 45

CLP Laboratory: IEA Hrs. for Review 26

Following are our findings:

THE DATA ARE ACCEPTABLE FOR USE. — Patrick J. Chunilla 2/19/93

RECEIVED
FEB 24 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(✓) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

GW - organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/5/93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan 7, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chenilla for C.T. Elly

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Allison-Sher. TWP LF (MI)

CASE and/or SAS NUMBER: 19238 SDG NUMBER: EMA19

Number and Type of Samples: 16 (Water)

CLP Sample Numbers: EMA 19-31 EMA 33-35

CLP Laboratory: Compuchem Hrs. for Review 26+3=29 wfw

Following are our findings:

THE DATA ARE ACCEPTABLE WITH QUALIFICATIONS AS NOTED IN THE ATTACHED REVIEW.

Patrick J. Chenilla
2/5/93

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

COMPUCHEM LABORATORIES, INC. P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

SDG NARRATIVE SDG #EMA19
CASE #19238 CONTRACT #68D00159
COMPUCHEM LABORATORIES, INC.

SAMPLES: EMA19 EMA20 EMA21 EMA22 EMA24 EMA25
EMA26 EMA27 EMA28 EMA29 EMA30 EMA31

For the receiving information pertaining to the samples listed above please see the narrative summarizing the volatile fractions. This narrative summarizes the analysis of these twelve water samples for pesticides/PCBs.

Pesticides/PCBs:
All sample and QC fractions were extracted within holding times. Few samples at concentrations greater than their CRQLs. The surrogate recovery results are summarized on Form 2. Since surrogate recovery criteria are advisory, samples which have recoveries greater than 20% are not reextracted. Additionally when the recovery of a surrogate cannot be assessed due to an interfering peak native to the sample, the sample is not reextracted. In certain instances matrix interference can affect the presentation of the surrogate RT criteria. The matrix spike duplicates met all accuracy and precision criteria.

NOTE: The "Y" footnote denotes that while a TCL was confirmed by dual confirmation by GC/ECD, the criteria for confirmation by GC/MS were not met, when used on GC form 1s.

NOTE: THE "X" FLAG DENOTES THE COELUTION INDISTINGUISHABLE ISOMERS, WHEN USED ON THE SEMIVOLATILE FORM 1s.

NOTE: THIS DATA PACKAGE WAS PAGINATED FOR REFERENCE AND ACCOUNTABILITY.

NOTE: I CERTIFY THAT THIS DATA PACKAGE IS IN COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE CONTRACT, BOTH TECHNICALLY AND FOR COMPLETENESS, FOR OTHER THAN THE CONDITIONS DETAILED ABOVE. RELEASE OF THE DATA CONTAINED IN THIS HARDCOPY DATA PACKAGE AND IN THE COMPUTER-READABLE DATA

MW015B
12-10-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528203

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028203A56

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	3	JBU	WDS 3/15/93
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	UJ	WDS 3/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

db

MW015G
12-10-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528201

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028201A56

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ WDS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

disk

MW015G-TB
12-10-92 Trip Blank

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA35

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528204

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028204A56

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 7/15/93

db

disk

MW.0/WB 12-10-

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528202

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028202A56

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WOS 7/15/93

db

disk

MW02 SG
12-7-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527521

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027521B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~3~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 1-14-93

WDS 7/15/93

db

disk

MW025G-TB
12-7-92 Trip Blank

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA23

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527534

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027534B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~3~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

4-14-93 CL

WDS 7/15/93

db disk

MW02WB
12-8-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527531

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027531B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10 ~~1~~	BJU	CL 1-14-93
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U J	WDS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

db
disk

MW02WB-TB
12-8-92 Trip Blank

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA33

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527535

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027535B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	BJU	CL 1-14-93
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	UJ	WDS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

db
disk

MW025B 12-8-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA21

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527532

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027532B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~2~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 1-14-93

UDS 3/15/93

db disk

MW02SB - DP
12-8-92 Duplicate

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA22

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527533

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN027533B56

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~1~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 1-14-93

WDS 2/15/93

disk

MW 035G

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET 000023

EPA SAMPLE NO. 12-17-92

EMA36

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1641

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. _____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	UJ	wds 7/23
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	UJ	wds 7/25
108-90-7	Chlorobenzene	10	UJ	
100-41-4	Ethylbenzene	10	U	db
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	disk

THERE ARE TWO ~~SC~~ MW035G-TB - Different 1A Dates

MW035G-TB

EPA SAMPLE NO.

12-17-92

VOLATILE ORGANICS ANALYSIS DATA SHEET

000073

EMA61

Trip Blank

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1639

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

THERE ARE TWO MW035G-TB MW035G-TB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000077

DIFFERENT DATES

EPA SAMPLE NO.
12-18-92

EMA62

Trip Blank

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 238802

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1653

Level: (low/med) LOW Date Received: 12/19/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

MW03WB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET 000027

EPA SAMPLE NO.
12-17-92

EMA37

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1629

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db
disk

MW03WB-DP Duplicate

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000031

EPA SAMPLE NO. 12-17-92

EMA38

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1630

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW03SB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET 000035

EPA SAMPLE NO.
12-17-92
EMA39

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1631

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

disk

MW03SB-FB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000063

EPA SAMPLE NO.
12-17-92

EMA48

Field Blank

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1652

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec. ____ Date Analyzed: 12/22/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW045G(WB)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000039

EPA SAMPLE NO.
12-16-92

EMA40

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235304

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1632

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

FORM I VOA

disk 3/90

MW045G(WB)DP

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000043

EPA SAMPLE NO.

12-16-92

EMA41

Duplicate

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235305

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1633

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	18	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW045G(WB)-TB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000068

EPA SAMPLE NO. 12-16-92

EMA59

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40 Trip Blank

Matrix: (soil/water) WATER Lab Sample ID: 235306

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1638

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	13	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW04WB(SB1)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000048

EPA SAMPLE NO.
12-16-92

EMA42

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1634

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

disk

MW045B(SB2)

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET 000053

EPA SAMPLE NO.
12-16-92

EMA43

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235302

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1635

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW04DB
12-16-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET 000058

EPA SAMPLE NO.

EMA44

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: M1636

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. ____ Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10 ↗	BJU
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	13	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

FORM I VOA

disk 3/90

MW055G
12-9-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528045

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028045B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10 ~~2~~	BJU	CL 1-14-93
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	UJ	WOS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

M W055 B
12-9-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA28

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528046

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028046B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~10~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 1-14-93

WDS 2/15/93

disk

MW055B-FB
12-9-92
Field Blank

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528049

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C4R28049B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/13/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~2~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 1-14-93

WDS 2/15/93

db

disk

MW065G

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA57

ab Name: SWL-TULSA Contract: 68-D2-0018

12-15-92

Lab Code: AATS Case No.: 19266 SAS No.: SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207306

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB863

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	VB
67-64-1	Acetone	17	VB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 2/4/93

db

disk

MW06 WB
12-9-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528047

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028047B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10 ~~2~~	BJU	CL 1-14-93
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	UJ	WDS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	4	J	

db
disk

MW06WB-TB
12-9-92 TRIP Bla

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA34

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528050

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028050B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~5~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

PL 1-14-93

WDS 2/15/93

db

disk

MW065B 12-9-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528048

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN028048B56

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~4~~	BJU CL 1-14-93
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	UJ WDS 2/15/93
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db disk

MW07-SG

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-22-92

EMA45

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244405

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122810501005.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW07 SG-TB
12-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA68

Trip Blank

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244409

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122810901009.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db
disk

MW07WB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-22-92

EMA46

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122811701017.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

disk

MW075B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-21-92

EMA47

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241401

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 1227103.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec. _____ Data Analyzed: 12/27/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW085G

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA49

ab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207301

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB856

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. _____ Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	UB
67-64-1	Acetone	5	JUB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 3/4/93

db disk

MW8 SG - TB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIP Blank

EMA58

ab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207307

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KR864

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. _____ Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	
67-64-1	Acetone	21	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW08WB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA50

ab Name: SWL-TULSA Contract: 68-D2-0018

12-15-92

Lab Code: AATS Case No.: 19266 SAS No.: SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207302

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB857

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (ul) Soil Aliquot Volume: (ul)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	UB
67-64-1	Acetone	6	JUB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 2/4/93

db disk

MW85B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA51

ab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207303

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB858

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	VB
67-64-1	Acetone	6	JVB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 2/4/93

db disk

MW0 956

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-22-92

EMA63

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244407

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122810701007.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW095G-FB
12-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Field Blank
EMA66

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244408

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122810801008.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db
disk

MW 09WB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-21-92

EMA64

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241402

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 1227104.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec. _____ Data Analyzed: 12/27/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

NW09WB-DP
Duplicate

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA65

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47 12-21-92

Matrix: (soil/water) WATER Lab Sample ID: 921241403

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122710601006.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec. _____ Data Analyzed: 12/27/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

disk

MW09WB- TB
12-21-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA67

Trip Blank

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 122810401004.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec. _____ Data Analyzed: 12/28/92

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

disk

MW95B

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA52

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207304

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB861

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (ul.) Soil Aliquot Volume: (ul.)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	UB
67-64-1	Acetone	3	JUB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

WDS 2/4/93

disk

MW095B-FB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Field Blank

EMA53

12-15-92

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207305

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: KB862

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: not dec. _____ Date Analyzed: 12/18/92

GC Column: DB624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	16	
67-64-1	Acetone	12	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db
disk

MW015G
12-10-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR028201A21

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U J
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WOS 7/5/93

disk

MW015G
12-10-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR028201A21

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~1~~	BJU
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	12	BU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

wds 7/5/93

CL 1-14-93

(1) - Cannot be separated from Diphenylamine

disk

MW01WB
12-10-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028202A08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/14/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 7/15/93

ab

disk

MW01WB
12-10-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028202A08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/14/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10 ~~3~~	BJU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

(1) - Cannot be separated from Diphenylamine

disk

MW015B
12-10-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528203

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028203A08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/14/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 2/15/93

disk

MW015B
12-10-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528203

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028203A08

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/14/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10 ~~5~~	BJU
117-84-0	Di-n-Octyl Phthalate	2	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

(1) - Cannot be separated from Diphenylamine

disk

MW025G

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

12-7-92

EMA19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527521

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH027521A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 3/5/93

db disk

FORM I SV-1 3/90

MW025G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-7-92

EMA19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527521

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH027521A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	32	BU
117-84-0	Di-n-Octyl Phthalate	4	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

db

(1) - Cannot be separated from Diphenylamine

disk

FORM I SV-2 3/90

MW02WB

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-8-92
EMA20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527531

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH027531A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 2/5/93

disk

FORM I SV-1 3/90

MW02WB

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-8-92

EMA20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527531

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH027531A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10 ~~2~~	BJU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

db disk

(1) - Cannot be separated from Diphenylamine

MW02SB
12-8-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA21

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527532

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH027532A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ WDS 2/15/93
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW02SB
12-8-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA21

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527532

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH027532A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	1	J
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	76	BU
117-84-0	Di-n-Octyl Phthalate	8	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

disk

MW025B-DP
12-8-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Duplicate
EMA22

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527533

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G3J27533A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WOS 2/15/93

d.b

MW025B-DP
12-8-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Duplicate
EMA22

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527533

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G3J27533A08

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/10/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	11	BU
117-84-0	Di-n-Octyl Phthalate	2	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL
1-14-93

(1) - Cannot be separated from Diphenylamine

disk

MW035G

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000147

EPA SAMPLE NO.

12-17-92

EMA36

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62237

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW035G

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-17-92

000148

EMA36

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62237

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	25	U	
100-02-7	4-Nitrophenol	25	UJ	WDS 3/25/
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	UJ	WDS 3/25/
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	4	JUB	WDS 3/25/93
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	

(1) - Cannot be separated from Diphenylamine

db

disk

MW03WB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000167

EPA SAMPLE NO.
12-17-92

EMA37

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237301

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62238

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

disk

MWC3WB

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000168

EPA SAMPLE NO.

12-17-92

EMA37

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237301

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62238

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	JUB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WDS 1/25/93

(1) - Cannot be separated from Diphenylamine

disk

MW03WB-DR
Duplicate

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000188

EPA SAMPLE NO.
12-17-92
EMA38

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237302

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62244

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

disk

MW03WB-DP

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Duplicate

000189

EMA38

12-17-92

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237302

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62244

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	JVB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WOS 7/25/93

(1) - Cannot be separated from Diphenylamine

disk

MW035B

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000211

EPA SAMPLE NO.
12-17-92

EMA39

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62235

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW03SB

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000212

EPA SAMPLE NO. 12-17-92

EMA39

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62235

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	JUB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WOS 2/25/93

db

(1) - Cannot be separated from Diphenylamine

disk

AMW035B-FB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000320

EPA SAMPLE NO.

12-17-92

EMA48

Field Blank

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62236

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

disk

MW03SB-FB

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000321

EPA SAMPLE NO. 12-17-92

EMA48

Field Blank

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 237202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62236

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

disk

MW0456(WB)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000236

EPA SAMPLE NO.
12-16-92

EMA40

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62230

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

d

disk

MW045G (WB)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000237

EPA SAMPLE NO.
12-16-92

EMA40

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62230

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	21	UJB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WOS 2/25/93

db

disk

(1) - Cannot be separated from Diphenylamine

MW04 SG(WB)-DP

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000247

EPA SAMPLE NO. 12-16-92

EMA41 Duplicate

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62231

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

disk

MW04SG(WB)-DP

000248

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 12-16-92

EMA41 Duplicate

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62231

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	6	JUB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

WDS 2/25/93

(1) - Cannot be separated from Diphenylamine

disk

MW04WB(SBI)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000253

EPA SAMPLE NO.
12-16-92

EMA42

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62232

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q	
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW04WB(SB1)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000260

EPA SAMPLE NO. 12-16-92

EMA42

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62232

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
51-28-5	2,4-Dinitrophenol	25	U	
100-02-7	4-Nitrophenol	25	U	
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	4	J VB	WOS 2/25/93
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	

(1) - Cannot be separated from Diphenylamine

db disk

MW045B(SB2)

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000285

EPA SAMPLE NO.
12-16-92

EMA43

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62233

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW045B(SB2)

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000286

EPA SAMPLE NO. 12-16-92

EMA43

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab. Sample ID: 235202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62233

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

db

disk

MW04DB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000309

EPA SAMPLE NO. (12-16-92)

EMA44

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235303

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62234

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW04DB

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000310

EPA SAMPLE NO. 12-16-92

EMA44

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 19266 SAS No.: _____ SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 235303

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 62234

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/21/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/13/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

db

disk

MW055G
12-9-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528045

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028045A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U5 WDS 7/15/93
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db
disk

MW05SG
12-9-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528045

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028045A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10 ~~5~~	BJ
117-84-0	Di-n-Octyl Phthalate	2	J
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

(1) - Cannot be separated from Diphenylamine

db disk

MW055B
12-9-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528046

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028046A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 7/6/93

db
disk

MW055B
12-9-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528046

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028046A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	23	BU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

CL 1-14-93

disk
db

MW055B-FB
12-9-92 Field
EPA SAMPLE NO. Blank

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EMA31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528049

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028049A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 2/5/93

db
disk

MW05B - FB
12-9-92 field Bla

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528049

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028049A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	11	BU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

db disk

(1) - Cannot be separated from Diphenylamine

MW065G

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA57

b Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207306

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC430

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.8

JAN 0 5 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db disk

MW065G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA57

12-15-92

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207306

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC430

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.8

JAN 0 5 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

db

disk

MW06WB
12-9-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528047

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028047A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 7/15/93

db

disk

MW06WB
12-9-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528047

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028047A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10 ~~.6~~	BJU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

CL 1-14-93

db

disk

(1) - Cannot be separated from Diphenylamine

MW065B
12-9-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528048

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028048A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	UJ
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

WDS 3/15/93

db

disk

MW06SB
12-9-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: _____ SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528048

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH028048A21

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/11/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	14	BU
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

CL 1-14-93

db disk

MW075G
12-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA45

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244405

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1231803.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted:12/30/92

Concentrated Extract Volume: 500(UL) Date Analyzed: 12/31/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db
disk

MW0756
12-22-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA45

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244405

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1231803.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/30/92

Concentrated Extract Volume: 500(UL) Date Analyzed: 12/31/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~3~~	UJB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

AV
2-10-93

db
disk

MW07 W B
12-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA46

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230811.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW07WB
12-22-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA46

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230811.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	UJB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

AV
2-10-93

db

disk

MW075B
12-21-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA47

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H06.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW075B
12-21-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA47

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H06.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted:12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

disk db

MW856

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA49

ıb Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207301

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC445

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 8.1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

JAN 0 5 1993

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW85G

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA49

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207301

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC445

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ cp

GPC Cleanup: (Y/N) N pH: 8.1

JAN 0 5 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~9~~	BJ4
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

w fwik 1/22/93

db

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 3/90 disk

M W08WB

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA50

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207302

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC424

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.9

JAN 05 1993

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW8WB
EPA SAMPLE NO.
12-15-92

EMA50

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207302

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC424

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.9

JAN 05 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~1~~	BJU AS 1/14/93
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

db
disk

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW858
EPA SAMPLE NO.
12-15-92

EMA51

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207303

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC425

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.6

JAN 05 1993

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW85B "5" as in "Sam"

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92
EMA51

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: · SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207303

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC425

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

JAN 05 1993

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	~~10~~ 1	BJ U 1/4/93
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

db

disk

MW0956
12-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA63

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230813.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW0956
12-22-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA63

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230813.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	UJB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

AV
2-10-93

db

disk

MW095G-FB
12-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA66

Field Blank

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230814.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW0956-FB
12-22-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA66

Field Blank

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1230814.D

Level: (low/med) LOW Date Received: 12/23/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/28/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~3~~	UJB
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	1	J
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

AV
2-10-93

db
disk

MW09WB
12-21-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA64

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H07.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted:12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

disk
db

MW09WB
12-21-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA64

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H07.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

disk
db

MW09WB-DP
12-21-92
Duplicate

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA65

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H08.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-95-2	Phenol	1	UB J	WDS 7/25/93
111-44-4	bis(2-Chloroethyl)ether	10	U	
95-57-8	2-Chlorophenol	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U	
106-44-5	4-Methylphenol	10	U	
621-64-7	N-Nitroso-di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	bis(2-Chloroethoxy)methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	
91-20-3	Naphthalene	10	U	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	10	U	
77-47-4	Hexachlorocyclopentadiene	10	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	25	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	25	U	
131-11-3	Dimethylphthalate	10	U	
208-96-8	Acenaphthylene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	25	U	
83-32-9	Acenaphthene	10	U	

db
disk

MW09WB-DP
12-21-92
Duplicate

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA65

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1229H08.D

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/23/92

Concentrated Extract Volume: 1000(UL) Date Analyzed: 12/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

disk
db

2 067

MW95B

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA52

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207304

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC428

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 0.5

GPC Cleanup: (Y/N) N pH: 7.5

JAN 05 1993

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW95B

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA52

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 1207304

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC428

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 7.5

JAN 05 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	25	U	
100-02-7	4-Nitrophenol	25	U	
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10 ~~0.8~~	BJ u	1/14/93
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3~~	BJ u	1/14/93
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	

db

disk

(1) - Cannot be separated from Diphenylamine

MW095B-FB

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Field Blank
EMA53

.b Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207305

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC429

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 8.1 JAN 0 5 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

db

disk

MW09SB-FB

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Field Blank

EMA53

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 1207305

Sample wt/vol: 1000 (g/mL) ML Lab File ID: AC429

Level: (low/med) LOW Date Received: 12/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

GPC Cleanup: (Y/N) N pH: 8.1

JAN 05 1993

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	25	U	
100-02-7	4-Nitrophenol	25	U	
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U	
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10 ~~1~~	BJ U	1/14/93
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3~~	BJ U	1/14/93
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	

(1) - Cannot be separated from Diphenylamine

db

disk

MW015G
12-10-92

EPA SAMPLE NO.

EMA24

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19 2

Matrix: (soil/water) WATER Lab Sample ID: 528201

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L 2	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0019	JPUB WDS 2/15/93
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

MW01WB
12-10-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528202

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0096	JP
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

MW015B
12-10-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA26

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528203

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MW0256
12-7-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527521

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/09/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 7/15/93

MW02WB
12-8-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527531

Sample wt/vol: 500 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/09/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/17/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U 5
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/15/93

db

MW025B
12-8-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA21

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527532

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/09/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.010	JP
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MW02SB-DP
12-8-92 Duplic.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA22

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 527533

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/09/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/17/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.035	J
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

MW0356
12-17-92

000401

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA36

b Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2371_01

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

% Moisture: decanted: (Y/N) Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/22/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	UJ
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/25/93

db

disk

MW03WB

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

000416

EPA SAMPLE NO.
12-17-92

EMA37

Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2373_01

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

% Moisture: decanted: (Y/N) Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 3/24/93

db

disk

MW03WB-DP

1D

000422

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

12-17-92

EMA38

Duplicate

b Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2373_02

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

% Moisture: decanted: (Y/N) Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW035B

000427

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-17-92
EMA39

b Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2372_01

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

% Moisture: decanted: (Y/N) Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/20/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

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MW035B-FB

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

000463

EPA SAMPLE NO.
12-17-92

EMA48

Field Blank

Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2372_02

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

% Moisture: decanted: (Y/N) Date Received: 12/18/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

000433 MW045G(W6) 12-16-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA40

Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2351_01

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

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/20/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 3/25/93

db

disk

MW0456(WB)-DP
12-16-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET 000439

EPA SAMPLE NO.

EMA41
Duplicate

Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2351_02

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

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/21/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/23/93

db

disk

MW04WB(SB1)
12-16-92

000445

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA42

b Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2352_01

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

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/20/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 3/25/93

db

disk

MW045B (SB2)
12-16-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET 000451

EPA SAMPLE NO.

EMA43

Lab Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2352_02

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

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/20/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/25/93

db

disk

MW04DB
12-16-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

000457 EPA SAMPLE NO.

EMA44

Name: AATSLA Contract: 68D20028

Lab Code: AATSLA Case No.: 19266 SAS No.: SDG No.: EMA40

Matrix: (soil/water) WATER Lab Sample ID: 2353_03

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

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/21/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/20/93

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (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	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW055G
12-9-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528045

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

MWO 55B
12-9-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528046

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW05SB-FB
12-9-92
Field Blank

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528049

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U J
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.0015	J
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 3/15/93

db

MW065G

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA57

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 12073-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 3/4/93

db

0319 disk

MW06 WB
12-9-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528047

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW065B
12-9-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 19238 SAS No.: SDG No.: EMA19

Matrix: (soil/water) WATER Lab Sample ID: 528048

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/10/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

disk

MW075G
12-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA45

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244405

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112060.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/23/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/28/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

3 disk 05

MW07WB
12-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA46

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112067.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/23/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/28/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

3 10
disk

MW075B
12-21-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA47

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241401

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112055.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/22/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/23/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW085G

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA49

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 12073-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW8WB

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA50

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 12073-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW085B

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA51

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 12073-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

MW0956
12-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA63

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244407

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112068.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/23/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/28/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW095G-FB
12-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA66

Field Blank

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921244408

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112069.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/23/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/28/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

MW09WB
12-21-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA64

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241402

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112056.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/22/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/23/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW09WB-DP
12-21-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. Duplicate

EMA65

Lab Name: INDUSTRIAL & ENVIRONMENTA Contract: 68-D0-0156

Lab Code: IEA Case No.: 19292 SAS No.: SDG No.: EMA47

Matrix: (soil/water) WATER Lab Sample ID: 921241403

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P1112057.D

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/22/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:12/23/92

Concentrated Extract Volume: 10000(uL) Date Analyzed: 01/15/93

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW95B

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-15-92

EMA52

Lab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49

Matrix: (soil/water) WATER Lab Sample ID: 12073-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/30/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

db

disk

MW095B-FB

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Field Blank

EMA53

ab Name: SWL-TULSA Contract: 68-D2-0018

Lab Code: AATS Case No.: 19266 SAS No.: _____ SDG No.: EMA49 12-15-92

Matrix: (soil/water) WATER Lab Sample ID: 12073-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/31/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/4/

db

disk

GW Inorganics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/18/93

SUBJECT: Review of Region V CLP Data Received for Review on February 1, 1993

FROM: Charles T. Elly, Director (SL-10C) Central Regional Laboratory
Patrick J. Chuvilla for C.T. Elly

TO: Data User: WWES

We have reviewed the data for the following case.

SITE NAME: Albion-Sky Hwp LF (MT)

CASE and/or SAS NUMBER: 19292 SDG NUMBER: MEL263

Number and Type of Samples: 7 - water

CLP Sample Numbers: MEL261-63, 74-77

CLP Laboratory: Datachem Hrs. for Review 7 +1

Following are our findings:

IN SPITE OF THE FACT THAT THE LAB USED A FIELD BLANK FOR SERIAL DILUTION THERE IS MINIMAL EFFECT ON THE USABILITY OF THE DATA. THE DATA ARE USABLE WITH THE QUALIFICATIONS NOTED IN THE ATTACHED REVIEW.

- Patrick J. Chuvilla 2/18/93

RECEIVED
FEB 23 1993
ARCS PROGRAM MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

GW inorganics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2-2-93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan 19, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thakkar

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion-Sher TWP LF (MI)

CASE and/or SAS NUMBER: 19238 SDG NUMBER: MELZ39

Number and Type of Samples: 12 (Water)

CLP Sample Numbers: MELZ 39-49; MELZ52

CLP Laboratory: DataChem Hrs. for Review 12 +1

Following are our findings:

RECEIVED
FEB 05 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

GW inorganics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2-2-93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan-21-93

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thompson

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion-Sheridan Twp LF (MI)

CASE and/or SAS NUMBER: 19266 SDG NUMBER: MEL265

Number and Type of Samples: 16 - water

CLP Sample Numbers: MEL250, 53-60, 64-69, 73

CLP Laboratory: Keystone TX Hrs. for Review 16.0 +1

Following are our findings:

RECEIVED
FEB 0 3 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

MW015G
12-10-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ43

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11870

Level (low/med): LOW Date Received: 12/09/92 ??

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	35.0	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	113000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	11.1	U		PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	22900			PM	
7439-96-5	Manganese	2.2	U	EJ	PM	WDS 7/10/93
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	1900	B		PM	
7782-49-2	Selenium	1.1	U	WJ	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	5880	U	J	PM	WDS "
7440-28-0	Thallium	1.1	U		FM	
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

MW01WB
12-10-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ44

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11871

Level (low/med): LOW Date Received: 12/09/92 ??

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	80.1	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	102000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	424			PM	
7439-92-1	Lead	1.1	U	WJ	FM	WDS 7/10/93
7439-95-4	Magnesium	29400			PM	
7439-96-5	Manganese	360		EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	9150			PM	
7782-49-2	Selenium	2.9	B	WJ	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	84300			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

7

FORM I - IN

MW015B
12-10-92

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

MELZ45

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11872

Level (low/med): LOW Date Received: 12/09/92 ??

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	86.1	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	106000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	644			PM	
7439-92-1	Lead	1.1	U	W J	FM	WDS 7/10/93
7439-95-4	Magnesium	27500			PM	
7439-96-5	Manganese	133		E J	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	4770	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	43000			PM	
7440-28-0	Thallium	1.1	U	W J	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

MWQ25G
12-7-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ39

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11818

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U	WJ	FM	WDS 7/10/93
7440-39-3	Barium	45.8	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	102000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	9.0	B		PM	
7439-89-6	Iron	11.1	U		PM	
7439-92-1	Lead	1.7	B	WJ	FM	WDS "
7439-95-4	Magnesium	25600			PM	
7439-96-5	Manganese	2.2	U	EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	48700			PM	
7782-49-2	Selenium	3.5	B	WJ	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	7900			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

2

disk

MW02WB
12-8-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ40

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11819

Level (low/med): LOW Date Received: 12/09/92

% 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	442			PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	50.9	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	103000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	10.4	B		PM	
7439-89-6	Iron	550			PM	
7439-92-1	Lead	1.2	B	W J	FM	WDS 7/10/93
7439-95-4	Magnesium	26900			PM	
7439-96-5	Manganese	345		E J	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	2750	B		PM	
7782-49-2	Selenium	1.1	U	W J	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	41900			PM	
7440-28-0	Thallium	1.1	U	W J	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

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3

FORM I - IN

MW02SB
12-8-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ41

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11820

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	45.8	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	104000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	313			PM	
7439-92-1	Lead	1.4	B	WJ	FM	WDS 2/10/93
7439-95-4	Magnesium	27600			PM	
7439-96-5	Manganese	176		EJ	PM	WDS
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	1890	B		PM	
7782-49-2	Selenium	1.3	B		FM	
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	58800			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

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4

FORM I - IN

MW025B - DP
12-8-92
Duplicate

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ42

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11821

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	44.5	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	100000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	320			PM	
7439-92-1	Lead	1.1	U	WJ	FM	WDS 7/10/93
7439-95-4	Magnesium	26700			PM	
7439-96-5	Manganese	184		EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	2180	B		PM	
7782-49-2	Selenium	1.1	B		FM	
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	56800			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

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U.S. EPA - CLP

~~AAW085G~~ EMM
~~12-15-92~~

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ50

ab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

MW035G

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

12-17-92

Matrix (soil/water): WATER Lab Sample ID: 9212152015

Level (low/med): LOW Date Received: 12/18/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	2.10	B		F	
7440-39-3	Barium	115.00	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	174000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	1210.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS 3/9/93
7439-95-4	Magnesium	47700.00			P	
7439-96-5	Manganese	504.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	11200.00			P	
7782-49-2	Selenium	4.00	U	WMJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	104000.00			P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	15.70	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

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MW03WB
12-17-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MELZ53

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-DO-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152016

Level (low/med): LOW Date Received: 12/18/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U		F	
7440-39-3	Barium	204.00			P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	161000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	5890.00			P	
7439-92-1	Lead	10.00	U	WJ	F	WDS 2/9/93
7439-95-4	Magnesium	46000.00			P	
7439-96-5	Manganese	249.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	12700.00			P	
7782-49-2	Selenium	4.00	U	WJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	115000.00			P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	12.60	B	JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: LT.BROWN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

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3/90

MW03WB-DP
12-17-92
Duplicate

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ54

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152017

Level (low/med): LOW Date Received: 12/18/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	B	WJ	F	WDS 2/9/93
7440-39-3	Barium	209.00			P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	163000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	5790.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	46700.00			P	
7439-96-5	Manganese	253.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	13200.00			P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	116000.00			P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	11.60	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

3/90

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12-17-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ55

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152018

Level (low/med): LOW Date Received: 12/18/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	3.20	B	WJ	F	WDS 2/9/93
7440-39-3	Barium	107.00	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	132000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	1150.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	33400.00			P	
7439-96-5	Manganese	93.30			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	2100.00	B		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	39200.00			P	
7440-28-0	Thallium	2.00	U		F	
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	13.30	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

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3/90

MW035B-FB
12-17-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ64

Field Blank

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152019

Level (low/med): LOW Date Received: 12/18/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U		F	
7440-39-3	Barium	1.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	59.00	B	J	P	WDJ 2/5/93
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	9.40	B	J	P	WDS "
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	39.00	U		P	
7439-96-5	Manganese	1.00	U		P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	985.00	U		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	644.00	B		P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	11.40	B	J	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

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MW045G (WB)
12-16-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MELZ56

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152010

Level (low/med): LOW Date Received: 12/17/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	5.60	B	WJ	F	WDS 2/9/93
7440-39-3	Barium	32.30	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	81200.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	703.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS 2/9/93
7439-95-4	Magnesium	19500.00			P	
7439-96-5	Manganese	658.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	985.00	U		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	4800.00	B		P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	11.70	B	JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

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MW045G (WB) - DP
12-16-92
Duplicate

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ57

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152011

Level (low/med): LOW Date Received: 12/17/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	7.50	B		F	
7440-39-3	Barium	33.80	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	81900.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	828.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS 2/8/93
7439-95-4	Magnesium	19600.00			P	
7439-96-5	Manganese	684.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	985.00	U		P	
7782-49-2	Selenium	4.00	U	WJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	4360.00	B		P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	15.80	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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FORM I - IN

3/90

MW04 WB (SB1)
12-16-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ58

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152012

Level (low/med): LOW Date Received: 12/17/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	34.70			F	
7440-39-3	Barium	269.00			P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	105000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	1840.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS 2/9/93
7439-95-4	Magnesium	35500.00			P	
7439-96-5	Manganese	162.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	19200.00			P	
7782-49-2	Selenium	4.00	U	WJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	88000.00			P	
7440-28-0	Thallium	2.00	U		F	
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	20.10		JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

FORM I - IN

3/90

U.S. EPA - CLP

MW04SB (SB2)
12-16-92

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ59

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152013

Level (low/med): LOW Date Received: 12/17/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	46.10			F	
7440-39-3	Barium	462.00			P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	111000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	4530.00			P	
7439-92-1	Lead	10.00	U	WJ	F	WDS 2/9/93
7439-95-4	Magnesium	48000.00			P	
7439-96-5	Manganese	142.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	56900.00			P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	128000.00			P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS"
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	13.50	B	JV	P	WDS"
	Cyanide	10.00	U		AS	

Color Before: LT.BROWN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

FORM I - IN

3/90 disk

MW04 DB
12-16-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ60

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152014

Level (low/med): LOW Date Received: 12/17/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U		F	
7440-39-3	Barium	9.80	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	649.00	B	JU	P	WDS 7/9/93
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	9.90	B	JU	P	WDS "
7439-92-1	Lead	10.00	U	WJ	F	WDS "
7439-95-4	Magnesium	252.00	B		P	
7439-96-5	Manganese	1.00	U		P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	998.00	B		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	753000.00			P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	8.60	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

FORM I - IN

3/90

disk

MW05 SG
12-9-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ46

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11832

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	35.6	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	78100			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	29.4	B	SU	PM	WDS 3/10/93
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	20500			PM	
7439-96-5	Manganese	246		EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	2010	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	36200			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

MW055B
12-9-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ47

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11833

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	79.1	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	101000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	637			PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	28300			PM	
7439-96-5	Manganese	67.5		EJ	PM	WDS 7/6/93
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	1410	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	8930			PM	
7440-28-0	Thallium	1.1	U		FM	
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

MW05SB-FB
12-9-92

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.
Field Blank

1
INORGANIC ANALYSIS DATA SHEET

MELZ52

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11836

Level (low/med): LOW Date Received: 12/09/92

% 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	60.4	B		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	2.2	U		FM	
7440-39-3	Barium	6.7	U		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	375	B		PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	42.5	B	J	PM	WDS 2/10/93
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	71.1	U		PM	
7439-96-5	Manganese	2.2	U	EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	1140	U		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	4.4	B	J	PM	WDS "
7440-23-5	Sodium	1340	B		PM	
7440-28-0	Thallium	1.1	U		FM	
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

MW065G
12-15-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ73

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152009

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U	WJ	F	WDS 2/9/93
7440-39-3	Barium	29.60	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	65200.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	7.70	B	JV	P	WDS "
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	14400.00			P	
7439-96-5	Manganese	443.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	1880.00	B		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	2180.00	B	JV	P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	39.10		JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

disk

FORM I - IN

3/90

MW06WB

12-9-92

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

MELZ48

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11834

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	12.8			FM	
7440-39-3	Barium	219	B		PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	108000			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	1360			PM	
7439-92-1	Lead	1.1	U	WJ	FM	WDS 2/10/93
7439-95-4	Magnesium	31000			PM	
7439-96-5	Manganese	170		EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	10700			PM	
7782-49-2	Selenium	1.1	B	WJ	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	61200			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

11

FORM I - IN

ENVIROFORMS/INORGANIC CLP

MW065B
12-9-92
SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

MELZ49

Lab Name: DataChem Laboratories Contract: EPA

Lab Code: DATAC Case No.: 19238 SAS No.: SDG No.: MELZ39

Matrix (soil/water): WATER Lab Sample ID: CLP11835

Level (low/med): LOW Date Received: 12/09/92

% 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	46.7	U		PM	
7440-36-0	Antimony	66.7	U		PM	
7440-38-2	Arsenic	85.1			FM	
7440-39-3	Barium	227			PM	
7440-41-7	Beryllium	2.2	U		PM	
7440-43-9	Cadmium	5.6	U		PM	
7440-70-2	Calcium	89600			PM	
7440-47-3	Chromium	10.0	U		PM	
7440-48-4	Cobalt	12.2	U		PM	
7440-50-8	Copper	7.8	U		PM	
7439-89-6	Iron	2550			PM	
7439-92-1	Lead	1.3	B	WJ	FM	WDS 2/10/93
7439-95-4	Magnesium	35300			PM	
7439-96-5	Manganese	119		EJ	PM	WDS "
7439-97-6	Mercury	0.10	U		CV	
7440-02-0	Nickel	32.2	U		PM	
7440-09-7	Potassium	31100			PM	
7782-49-2	Selenium	1.5	B	WJ	FM	WDS "
7440-22-4	Silver	4.4	U		PM	
7440-23-5	Sodium	71000			PM	
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	11.1	U		PM	
7440-66-6	Zinc	10.0	U		PM	
	Cyanide	10.0	U	N	AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:
E - ICP SERIAL DILUTION IS OUTSIDE OF CONTROL LIMITS.

disk

FORM I - IN

MW07SG
12-22-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ61

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11945

Level (low/med): LOW Date Received: 12/28/92

% 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	31.4	B	UJ	PM	WDS 7/24/93
7440-36-0	Antimony	50.0	U	*	PM	
7440-38-2	Arsenic	4.6	B		FM	
7440-39-3	Barium	179	B		PM	
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	120000		J	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	B	J	PM	WDS "
7440-50-8	Copper	4.4	U		PM	
7439-89-6	Iron	549			PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	28900		JV	PM	WDS "
7439-96-5	Manganese	888			PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	26.1	B		PM	
7440-09-7	Potassium	19800		J	PM	WDS "
7782-49-2	Selenium	1.4	B	WJ	FM	WDS "
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	34700		JV	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

MW07WB
12-22-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ62

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11946

Level (low/med): LOW Date Received: 12/28/92

% 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	37.3	B	JV	PM	WDS 2/24/93
7440-36-0	Antimony	50.0	U	*	PM	
7440-38-2	Arsenic	1.2	B		FM	
7440-39-3	Barium	36.0	B	VJ	PM	WDS "
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	77800		JV	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	U		PM	
7440-50-8	Copper	4.4	U		PM	
7439-89-6	Iron	633			PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	21800		J	PM	WDS "
7439-96-5	Manganese	205			PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	3740	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	16200		VJ	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

MW075B
12-21-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ63

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11939

Level (low/med): LOW Date Received: 12/22/92

% 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	25.3	B	JV	PM	WDS 2/24/93
7440-36-0	Antimony	50.0	U	*	PM	
7440-38-2	Arsenic	1.1	U		FM	
7440-39-3	Barium	17.3	B	JV	PM	WDS "
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	82800		J	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	U		PM	
7440-50-8	Copper	4.4	U		PM	
7439-89-6	Iron	16.7	U		PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	20100		J	PM	WDS "
7439-96-5	Manganese	15.6	B		PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	1290	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	16700		VJ	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

MW085G
12-15-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ65

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152002

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U		F	
7440-39-3	Barium	10.50	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	43100.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	37.20	B	JV	P	WDS 2/9/93
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	11400.00			P	
7439-96-5	Manganese	1.00	U		P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	985.00	U		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	1550.00	B	JV	P	WDS "
7440-28-0	Thallium	2.00	U	WJ	F	WDS "
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	10.90	B	JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

disk

FORM I - IN

3/90

MW08 WB
12-15-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ66

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152003

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	2.20	B	WJ	F	WDS 2/9/93
7440-39-3	Barium	20.30	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	56400.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	165.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	14800.00			P	
7439-96-5	Manganese	43.80			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	2190.00	B		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	3820.00	B		P	
7440-28-0	Thallium	2.00	U		F	
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	9.80	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

disk

FORM I - IN

3/90

MW085B
12-15-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ67

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152004

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	12.00		S	F	
7440-39-3	Barium	114.00	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	123000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	831.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS 2/9/93
7439-95-4	Magnesium	32600.00			P	
7439-96-5	Manganese	112.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	2570.00	B		P	
7782-49-2	Selenium	4.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	31600.00			P	
7440-28-0	Thallium	2.00	U		F	
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	12.80	B	JU	P	WDS
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

FORM I - IN

3/90

MW095G
12-22-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ74

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11947

Level (low/med): LOW Date Received: 12/28/92

% 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	22.1	B	JU	PM	WDS 2/24/93
7440-36-0	Antimony	71.4		*	PM	
7440-38-2	Arsenic	1.1	U		FM	
7440-39-3	Barium	25.1	B	UJ	PM	WDS "
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	74700		J	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	8.2	B	J	PM	WDS "
7440-50-8	Copper	4.4	U		PM	
7439-89-6	Iron	16.7	U		PM	
7439-92-1	Lead	2.6	B		FM	
7439-95-4	Magnesium	20100		J	PM	WDS "
7439-96-5	Manganese	141			PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	957	B		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	3670	B	UJ	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

disk

MW09SG-FB
Field Blank
12-22-92

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MELZ77

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11948

Level (low/med): LOW Date Received: 12/28/92

% 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	43.7	B		PM	
7440-36-0	Antimony	50.0	U	*	PM	
7440-38-2	Arsenic	1.1	U	W J	FM	WDS 7/24/93
7440-39-3	Barium	10.3	B	J	PM	WDS "
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	451	B	J	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	U		PM	
7440-50-8	Copper	4.4	U		PM	
7439-89-6	Iron	16.7	U		PM	
7439-92-1	Lead	1.1	U	W J	FM	WDS "
7439-95-4	Magnesium	33.5	B	J	PM	WDS "
7439-96-5	Manganese	1.1	U		PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	480	U		PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	722000			PM	
7440-28-0	Thallium	1.1	U	W J	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

disk

MW09WB
12-21-92

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

MELZ75

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11940

Level (low/med): LOW Date Received: 12/22/92

% 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	40.5	B	UJ	PM	WDS 7/24/93
7440-36-0	Antimony	66.7		*	PM	
7440-38-2	Arsenic	2.4	B		FM	
7440-39-3	Barium	217	B		PM	
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U		PM	
7440-70-2	Calcium	100000		J	PM	WDS "
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	U		PM	
7440-50-8	Copper	5.6	B	J	PM	WDS "
7439-89-6	Iron	742			PM	
7439-92-1	Lead	1.1	U	WJ	FM	WDS "
7439-95-4	Magnesium	32000		J	PM	WDS "
7439-96-5	Manganese	58.2			PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	11000			PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	63000		UJ	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	B	J	PM	WDS "
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

MW09WB-DP
Duplicate

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
12-21-92

MELZ76

Lab Name: DataChem Laboratories Contract: 68-D0-0149

Lab Code: DATAC Case No.: 19292 SAS No.: SDG No.: MELZ63

Matrix (soil/water): WATER Lab Sample ID: CLP11941

Level (low/med): LOW Date Received: 12/22/92

% 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	36.5	B	UJ	PM	WDS 2/24/93
7440-36-0	Antimony	50.0	U	*	PM	
7440-38-2	Arsenic	2.4	B		FM	
7440-39-3	Barium	215	B		PM	
7440-41-7	Beryllium	1.1	U		PM	
7440-43-9	Cadmium	3.3	U	~~J~~ WDS	PM	
7440-70-2	Calcium	101000		J	PM	WDS 2/24/93
7440-47-3	Chromium	4.4	U		PM	
7440-48-4	Cobalt	6.7	U		PM	
7440-50-8	Copper	5.6	B	J	PM	WDS "
7439-89-6	Iron	701			PM	
7439-92-1	Lead	1.1	U		FM	
7439-95-4	Magnesium	32200		J	PM	WDS "
7439-96-5	Manganese	54.8			PM	
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	21.1	U		PM	
7440-09-7	Potassium	10500			PM	
7782-49-2	Selenium	1.1	U		FM	
7440-22-4	Silver	3.3	U		PM	
7440-23-5	Sodium	62100		UJ	PM	WDS "
7440-28-0	Thallium	1.1	U	WJ	FM	WDS "
7440-62-2	Vanadium	4.4	U		PM	
7440-66-6	Zinc	6.7	U		PM	
	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

db

Comments:

disk

U.S. EPA - CLP

MW095B
12-15-92

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ68

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152007

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.40	B	WJ	F	WDS 7/9/93
7440-39-3	Barium	291.00			P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	143000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	1140.00			P	
7439-92-1	Lead	2.00	U	WJ	F	WDS "
7439-95-4	Magnesium	41000.00			P	
7439-96-5	Manganese	91.60			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	9460.00			P	
7782-49-2	Selenium	4.00	U	WMJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	84100.00			P	
7440-28-0	Thallium	2.00	U		F	
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	17.60	B	JU	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db disk

FORM I - IN

3/90

MW09SB-FB
12-15-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ69

Field Blank

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19266 SAS No.: SDG No.: MELZ65

Matrix (soil/water): WATER Lab Sample ID: 9212152008

Level (low/med): LOW Date Received: 12/16/92

% 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	25.00	U		P	
7440-36-0	Antimony	21.00	U		P	
7440-38-2	Arsenic	1.00	U		P	
7440-39-3	Barium	1.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	3.00	U		P	
7440-70-2	Calcium	136.00	B		P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.00	U		P	
7439-89-6	Iron	9.70	B	J	P	WDS 7/9/93
7439-92-1	Lead	2.00	U	WJ	F	WDS 7/9/93
7439-95-4	Magnesium	39.00	U		P	
7439-96-5	Manganese	2.40	B		P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	19.00	U		P	
7440-09-7	Potassium	985.00	U		P	
7782-49-2	Selenium	4.00	U	WJ	F	WDS"
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	434.00	B		P	
7440-28-0	Thallium	2.00	U	WJ	F	WDS"
7440-62-2	Vanadium	4.00	U		P	
7440-66-6	Zinc	26.30			P	
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

FORM I - IN

disk
3/90

Ground water - Inorganics

Albion

Enter by Monday 5/24/93

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 3-24-93

SUBJECT: Review of Region V CLP Data
Received for Review on March 12, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thornton

TO: Data User: WWES

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan TWP LF

CASE and/or SAS NUMBER: 19427 SDG NUMBER: MEF64

Number and Type of Samples: 6 - water

CLP Sample Numbers: MEF 56, 58, 64, 66-68

CLP Laboratory: Chester Labnet (Keytech) Hrs. for Review 7.5 +0.5

Following are our findings:

Data are Acceptable for use with Qualification

JR

RECEIVED
MAR 30 1993
ARCS PROGRAM
MANAGEMENT OFFICE

Please add qualifiers - return original to me.

(ble for use.
(X ble for use with qualification.
(--- --- preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

MW10

2-4-93

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEFL58

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19427 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930238007

Level (low/med): LOW Date Received: 02/05/93

% 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	18.40	B	JV	P	WDS 3/30/93
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	1.00	U	WNJ	F	WDS "
7440-39-3	Barium	34.00	B		P	
7440-41-7	Beryllium	1.10	B	JV	P	WDS "
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	99300.00			P	
7440-47-3	Chromium	5.90	B		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	3.00	U		P	
7439-89-6	Iron	15.50	B	J	P	WDS "
7439-92-1	Lead	3.00	U		F	
7439-95-4	Magnesium	26900.00			P	
7439-96-5	Manganese	127.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	15.00	U		P	
7440-09-7	Potassium	2970.00	B		P	
7782-49-2	Selenium	3.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	22000.00			P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS "
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	7.10	B	JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

disk

MW10-FB
2-4-93
Field Blank

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEFL56

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19427 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930235006

Level (low/med): LOW Date Received: 02/05/93

% 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	19.80	B	J	P	WDS 3/30/93
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	1.00	U	N	F	
7440-39-3	Barium	1.00	U		P	
7440-41-7	Beryllium	1.60	B	J	P	WDS "
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	116.00	B		P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	3.00	U		P	
7439-89-6	Iron	6.00	U		P	
7439-92-1	Lead	2.00	U		F	
7439-95-4	Magnesium	44.00	B	J	P	WDS "
7439-96-5	Manganese	2.00	U		P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	15.00	U		P	
7440-09-7	Potassium	702.00	U		P	
7782-49-2	Selenium	3.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	312.00	B		P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS "
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	7.70	B		P	
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

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FORM I - IN

3/90

U.S. EPA - CLP

MW11
2-4-93

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MEFL66

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19427 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930E38008

Level (low/med): LOW Date Received: 02/05/93

% 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	72.60	B	JV	P	WDS 3/30/93
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	1.00	U	WNJ	F	WDS"
7440-39-3	Barium	48.70	B		P	
7440-41-7	Beryllium	1.10	B	JV	P	WDS"
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	92800.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.40	B	J	P	WDS"
7439-89-6	Iron	44.60	B	J	P	
7439-92-1	Lead	2.00	U		F	
7439-95-4	Magnesium	19600.00			P	
7439-96-5	Manganese	117.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	15.00	U		P	
7440-09-7	Potassium	702.00	U		P	
7782-49-2	Selenium	3.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	31500.00			P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS"
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	12.90	B	JV	P	WDS"
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

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FORM I - IN

3/90

MW 11-DP
2-4-93

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEFL68

Duplicate

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19487 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930233009

Level (low/med): LOW Date Received: 02/05/93

% 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	31.40	B	JV	P	WDS 3/30/93
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	1.00	U	WNJ	F	WDS"
7440-39-3	Barium	47.50	B		P	
7440-41-7	Beryllium	1.10	B	JV	P	WDS"
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	91800.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	5.40	B	J	P	WDS"
7439-89-6	Iron	6.00	U		P	
7439-92-1	Lead	2.00	U		F	
7439-95-4	Magnesium	19500.00			P	
7439-96-5	Manganese	111.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-92-0	Nickel	15.00	U		P	
7440-09-7	Potassium	708.00	U		P	
7782-49-2	Selenium	3.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	31000.00			P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS"
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	7.40	B	JV	P	WDS"
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

disk

FORM I - IN

3/90

MW12
2-3-93

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MEFL67

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19427 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930233003

Level (low/med): LOW Date Received: 02/04/93

% 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	32.20	B	JV	P	WDS 3/30/93
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	1.00	U	WNJ	F	WDS "
7440-39-3	Barium	19.20	B		P	
7440-41-7	Beryllium	1.10	B	JV	P	WDS "
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	65500.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	3.80	B	J	P	WDS "
7439-89-6	Iron	257.00			P	
7439-92-1	Lead	2.00	U		F	
7439-95-4	Magnesium	13500.00			P	
7439-96-5	Manganese	45.80			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	15.00	U		P	
7440-09-7	Potassium	702.00	U		P	
7782-49-2	Selenium	3.00	U		F	
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	8650.00			P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS "
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	9.00	B	JV	F	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

disk

FORM I - IN

S/90

MW13
2-3-93

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEFL64

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19427 SAS No.: SDG No.: MEFL64

Matrix (soil/water): WATER Lab Sample ID: 930283002

Level (low/med): LOW Date Received: 02/04/93

% 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	17.00	U		P	
7440-36-0	Antimony	25.00	U		P	
7440-38-2	Arsenic	2.70	B	WN J	F	WDS 3/30/93
7440-39-3	Barium	47.80	B		P	
7440-41-7	Beryllium	1.10	B	JV	P	WDS "
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	107000.00			P	
7440-47-3	Chromium	4.00	U		P	
7440-48-4	Cobalt	5.00	U		P	
7440-50-8	Copper	4.40	B	J	P	WDS "
7439-89-6	Iron	74.30	B		P	
7439-92-1	Lead	2.00	U		F	
7439-95-4	Magnesium	28700.00			P	
7439-96-5	Manganese	411.00			P	
7439-97-6	Mercury	0.20	U		CV	
7439-02-0	Nickel	15.00	U		P	
7440-09-7	Potassium	1010.00	B		P	
7782-49-2	Selenium	3.50	B	WJ	F	WDS "
7440-22-4	Silver	3.00	U		P	
7440-23-5	Sodium	7450.00			P	
7440-28-0	Thallium	1.00	U	WJ	F	WDS "
7440-62-2	Vanadium	3.00	U		P	
7440-66-6	Zinc	8.30	B	JV	P	WDS "
	Cyanide	10.00	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ab

disk

FORM I - IN

3/90

Ground Water (Round I) - General Water Quality Parameters

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2-5-93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan 11, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thickman

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Allison-Sher. TWP LF (MI)

CASE and/or SAS NUMBER: SAS7652 E (1) SDG NUMBER: E01

Number and Type of Samples: 20 Water

CLP Sample Numbers: E-01-E12, E17-E8, E25-E29, E33

CLP Laboratory: PBS+J Hrs. for Review 83.5 +4.5 +4

Following are our findings:

RECEIVED
FEB 11 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2-16-93

SUBJECT: Review of Region V CLP Data Received for Review on Jan 13, 93

FROM: Charles T. Elly, Director (SL-10C) Central Regional Laboratory Jay Thakker

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion Shelf Twp (F (MI)

CASE and/or SAS NUMBER: SAS 7652E (2) SDG NUMBER: ~~E01~~ 19 smm

Number and Type of Samples: 18 - water

CLP Sample Numbers: E13-16, 19-24, 30-32, 34-38

CLP Laboratory: PBS+J Hrs. for Review 49.5 +5 +1.5

Following are our findings:

RECEIVED
FEB 17 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

LF01
12-16-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-30

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-04

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	156 J WDS 2/18/93	mg/l
Chloride (CL)	2023	mg/l
Chemical Oxygen Demand (COD)	1328 J WDS "	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	473 J WDS "	mg/l as N
Nitrate + Nitrite (NOX)	0.02 ~~R~~ J WDS " WDS 5/15/93	mg/l as N
Sulfate (SO4)	54.61 J WDS "	mg/l
Total Dissolved Solids (TDS)	8190	mg/l
Total Kjeldahl Nitrogen (TKN)	474 ~~R~~ J WDS " WDS 5/5/93	mg/l as N
Total Organic Carbon (TOC)	404 J WDS "	mg/l as C
Total Suspended Solids (TSS)	126 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

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FORM 1A

LF01 - Dp
12-16-92
Duplicate

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-31

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-05

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	159 J WDS 2/18/93	mg/l
Chloride (CL)	2140	mg/l
Chemical Oxygen Demand (COD)	1273 J WDS "	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	461 J WDS "	mg/l as N
Nitrate + Nitrite (NOX)	1/21/93 0.02 ~~U~~ ~~R~~ ~~J~~ ~~L~~ L	WDS WDS 5/5/93 " mg/l as N
Sulfate (SO4)	47.34 J WDS "	mg/l
Total Dissolved Solids (TDS)	7520	mg/l
Total Kjeldahl Nitrogen (TKN)	514 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	419 J WDS "	mg/l as C
Total Suspended Solids (TSS)	154 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

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FORM 1A

0008

LF01- FB
12-16-92
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U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-32

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-06

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	5 J WDS 7/15/93	mg/l
Chloride (CL)	0.05 U	mg/l
Chemical Oxygen Demand (COD)	5.0 U ~~R~~ J WDS 5/5/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	0.1 ~~0.02~~ U ~~R~~ J WDS " WDS 5/5/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U ~~R~~ J WDS " WDS 5/5/93	mg/l as N
Sulfate (SO4)	2.5 ~~1.0~~ UJ WDS "	mg/l
Total Dissolved Solids (TDS)	8.00	mg/l
Total Kjeldahl Nitrogen (TKN)	1.15 ~~R~~ J WDS " WDS 5/5/93	mg/l as N
Total Organic Carbon (TOC)	0.20 U ~~R~~ J WDS " WDS 5/5/93	mg/l as C
Total Suspended Solids (TSS)	1 UJ WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db
disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW015B
12-10-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-07

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212168-03

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	62.8 WDS	mg/l
Chemical Oxygen Demand (COD)	5.60 UJ ~~5.20~~ JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.06 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.02 U J JR 2/1/93	WDS " mg/l as N
Sulfate (SO4)	64.2 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	586	mg/l
Total Kjeldahl Nitrogen (TKN)	0.70 J U	WDS " mg/l as N
Total Organic Carbon (TOC)	1.0 U ~~0.52~~ ~~0.48~~ JR 2/1/93	WDS " mg/l as C
Total Suspended Solids (TSS)	16.0 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db
disk
0010
~~0015~~
JR 1/29/93

MW015G

12-10-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-05

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212168-01

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT		UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93		mg/l
Chloride (CL)	9.09		mg/l
Chemical Oxygen Demand (COD)	5.0 UJ JR 2/1/93	WDS 2/15/93	mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93	mg/l
Ammonia Nitrogen (NH3)	0.02 UR JR 2/1/93	WDS "	mg/l as N
Nitrate + Nitrite (NOX)	8.04 J	WDS "	mg/l as N
Sulfate (SO4)	28.0 J JR 2/1/93	WDS 2/15/93	mg/l
Total Dissolved Solids (TDS)	433		mg/l
Total Kjeldahl Nitrogen (TKN)	0.70 JU	WDS "	mg/l as N
Total Organic Carbon (TOC)	~~0.87~~ 1.0U	WDS "	mg/l as C
Total Suspended Solids (TSS)	162 J	WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk 0008 ~~0013~~ JR 1/29/93

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW01 WB
12-10-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-06

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212168-02

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	126	mg/l
Chemical Oxygen Demand (COD)	6.80 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/2/93 mg/l
Ammonia Nitrogen (NH3)	0.16 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.05 J	WDS " mg/l as N
Sulfate (SO4)	50.1 J	WDS 2/5/93 mg/l
Total Dissolved Solids (TDS)	666	mg/l
Total Kjeldahl Nitrogen (TKN)	1.02 JV	WDS " mg/l as N
Total Organic Carbon (TOC)	~~0.73~~ 1.0U	WDS " mg/l as C
Total Suspended Solids (TSS)	196 J	WDS " mg/l

Notes:

db disk 0009 ~~0014~~ JR 1/29/93

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW02SB
12-8-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-03

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212104-03

Level: Low Date Received: 12/9/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	101	mg/l
Chemical Oxygen Demand (COD)	53.0 JU	WDS 2/12/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.02 UR JR 2/1/93	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.03 J	WDS " mg/l as N
Sulfate (SO4)	64.2 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	614	mg/l
Total Kjeldahl Nitrogen (TKN)	0.53 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	~~0.52~~ 1.0 U	WDS " mg/l as C
Total Suspended Solids (TSS)	15.0 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk 0006

U. S. EPA - CLP
1A
SAS DATA SHEET

MW02SB-DP
12-8-92
Duplicate

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-04

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212104-04

Level: Low Date Received: 12/9/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	94.6	mg/l
Chemical Oxygen Demand (COD)	5.0 U J JR 2/1/93	WDS 7/15/93 mg/l
Grease & Oil (G_O)	0.4 U R JR 2/1/93	WDS 7/12/93 mg/l
Ammonia Nitrogen (NH3)	0.05 R	WDS " mg/l
Nitrate + Nitrite (NOX)	0.02 U J JR 2/1/93	WDS " mg/l
Sulfate (SO4)	64.6 J	WDS 8/15/93 mg/l
Total Dissolved Solids (TDS)	626	mg/l
Total Kjeldahl Nitrogen (TKN)	0.75 J U	WDS " mg/l
Total Organic Carbon (TOC)	~~0.52~~ 1.0 U	WDS " mg/l
Total Suspended Solids (TSS)	6.00 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW025G
12-7-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-01

Lab Code: PBSJ SAS No.: 7652 SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212084-01/9212104-01

Level: Low Date Received: 12/8/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	39 ~~18~~ JR 2/1/93 J	WDS 2/12/92 mg/l
Chloride (CL)	11.3	mg/l
Chemical Oxygen Demand (COD)	6.02 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.02 UR JR 2/1/93	WDS " mg/l as N
Nitrate + Nitrite (NOX)	12.8 J	WDS " mg/l as N
Sulfate (SO4)	86.1 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	597 J ~~610~~ JR 2/1/93	WDS " mg/l
Total Kjeldahl Nitrogen (TKN)	2.20 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	2.25 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	260 J ~~269~~ JR 2/1/93	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk

0004

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW02WB
12-8-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-02

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212104-02

Level: Low Date Received: 12/9/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0U JR 2/1/93	mg/l
Chloride (CL)	70.5	mg/l
Chemical Oxygen Demand (COD)	7.23 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 U R JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.07 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	2.72 J	WDS " mg/l as N
Sulfate (SO4)	63.8 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	550 ~~55.0~~ JR 2/1/93	mg/l
Total Kjeldahl Nitrogen (TKN)	1.31 JV	WDS " mg/l as N
Total Organic Carbon (TOC)	1.21 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	5520 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk

U. S. EPA - CLP
1A
SAS DATA SHEET

MW035B
12-17-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-16

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212262-04

Level: Low Date Received: 12/18/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U J WDS 3/18/93	mg/l
Chloride (CL)	82.7	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	~~0.4~~ 2.5 U R WDS "	mg/l
Ammonia Nitrogen (NH3)	0.90 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	89.18 J WDS "	mg/l
Total Dissolved Solids (TDS)	600	mg/l
Total Kjeldahl Nitrogen (TKN)	2.20 ~~R~~ J U WDS "	WDS 5/5/93 5/19/93 mg/l as N
Total Organic Carbon (TOC)	3.48 UJ WDS 5/19/93	mg/l as C
Total Suspended Solids (TSS)	31.0 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk

db

FORM 1A

MW035B-FB
12-17-92
Field Blank

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-34

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212262-05

Level: Low Date Received: 12/18/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U J WDS 2/18/93	mg/l
Chloride (CL)	0.50 U	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	~~0.4~~ 2.5 U WDS "	mg/l
Ammonia Nitrogen (NH3)	~~0.08~~ 0.08 R WDS 5/19/93 WDS "	WDS 5/19/93 mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	~~1.0~~ 2.5 U J WDS "	mg/l
Total Dissolved Solids (TDS)	3.00	mg/l
Total Kjeldahl Nitrogen (TKN)	0.52 ~~X~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	0.20 U	mg/l as C
Total Suspended Solids (TSS)	1 U J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW035G
12-17-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-13

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212262-01

Level: Low Date Received: 12/18/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U J WDS 2/18/93	mg/l
Chloride (CL)	134	mg/l
Chemical Oxygen Demand (COD)	20.8 UJ WDS 5/19/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ U R WDS 2/18/93	mg/l
Ammonia Nitrogen (NH3)	5.88 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	56.61 J WDS "	mg/l
Total Dissolved Solids (TDS)	796	mg/l
Total Kjeldahl Nitrogen (TKN)	7.65 ~~R~~ J WDS " WDS 2/25/93	mg/l as N
Total Organic Carbon (TOC)	10.9 UJ WDS 5/19/93	mg/l as C
Total Suspended Solids (TSS)	636 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db

FORM 1A

MW03WB
12-17-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-14

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212262-02

Level: Low Date Received: 12/18/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	4 JU WDS 7/18/93	WDS 5/19/93 mg/l
Chloride (CL)	144	mg/l
Chemical Oxygen Demand (COD)	22.7 UJ WDS 5/19/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 7/18/93	mg/l
Ammonia Nitrogen (NH3)	8.39 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	65.07 J WDS "	mg/l
Total Dissolved Solids (TDS)	792	mg/l
Total Kjeldahl Nitrogen (TKN)	10.6 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	11.5 UJ WDS 5/17/93	mg/l as C
Total Suspended Solids (TSS)	788 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW03WB-DP
Duplicate
12-17-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-15

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212262-03

Level: Low Date Received: 12/18/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	3 JU WDS 7/13/93	WDS 5/19/93 mg/l
Chloride (CL)	136	mg/l
Chemical Oxygen Demand (COD)	21.6 UJ WDS 5/19/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 7/13/93	mg/l
Ammonia Nitrogen (NH3)	9.90 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	54.24 J WDS "	mg/l
Total Dissolved Solids (TDS)	807	mg/l
Total Kjeldahl Nitrogen (TKN)	10.6 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	11.6 UJ WDS 5/19/93	mg/l as C
Total Suspended Solids (TSS)	743 J WDS "	mg/l

Notes:

disk db

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW04DB
12-16-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-21

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-03

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U J WDS 2/18/93	mg/l
Chloride (CL)	28.0	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	0.1 ~~0.02~~ UJ WDS 5/14/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	65.69 J WDS "	mg/l
Total Dissolved Solids (TDS)	424	mg/l
Total Kjeldahl Nitrogen (TKN)	0.61 ~~K~~ JV WDS "	WDS 5/5/93 5/19/93 mg/l as N
Total Organic Carbon (TOC)	0.311 UJ WDS 5/19/93	mg/l as C
Total Suspended Solids (TSS)	9.00 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db

FORM 1A

MW045B (SB2)
12-16-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-20

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-02

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	4 J U WDS 7/18/93	WDS 5/19/93 mg/l
Chloride (CL)	135	mg/l
Chemical Oxygen Demand (COD)	38.8 UJ	WDS 5/12/93 mg/l
Grease & Oil (G_O)	~~0.4~~ 2.5 UR WDS "	mg/l
Ammonia Nitrogen (NH3)	34.3 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	24.67 J WDS "	mg/l
Total Dissolved Solids (TDS)	884	mg/l
Total Kjeldahl Nitrogen (TKN)	35.6 ~~U~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	14.73 UJ	WDS 5/12/93 mg/l as C
Total Suspended Solids (TSS)	25.0 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db disk

FORM 1A

MW045G(WB)
12-16-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-17

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212255-01

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 UJ JR 2/1/93	WDS 2/12/93 mg/l
Chloride (CL)	3.01 UJ ~~3.06~~ JR 2/1/93	WDS " mg/l
Chemical Oxygen Demand (COD)	5.0 UJ JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.07 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.06	mg/l as N
Sulfate (SO4)	62.2 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	380	mg/l
Total Kjeldahl Nitrogen (TKN)	0.80 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	1.14 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	853 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db
0016
~~0022~~
JR 1/29/93

U. S. EPA - CLP
1A
SAS DATA SHEET

MW045G (WB) DP
12-16-92 Duplic.

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-18

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212255-02

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 UJ JR 2/1/93	WDS 2/12/93 mg/l
Chloride (CL)	3.21 UJ ~~3.14~~ JR 2/1/93	WDS " mg/l
Chemical Oxygen Demand (COD)	64.0 J ~~62.0~~ JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.05 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.02 J	WDS " mg/l as N
Sulfate (SO4)	76.1 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	360	mg/l
Total Kjeldahl Nitrogen (TKN)	0.88 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	1.23 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	1290 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db

0017
~~0023~~
JR 1/29/93

FORM 1A

MW04WB (SBI)
12-16-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-19

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212260-01

Level: Low Date Received: 12/17/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	4 JV WDS 7/18/93	WDS 5/19/93 mg/l
Chloride (CL)	98.6	mg/l
Chemical Oxygen Demand (COD)	20.6 VJ	WDS 5/19/93 mg/l
Grease & Oil (G_O)	2.50 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	18.1 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	19.52 J WDS "	mg/l
Total Dissolved Solids (TDS)	600	mg/l
Total Kjeldahl Nitrogen (TKN)	22.3 ~~K~~J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	9.03 VJ	WDS 5/19/93 mg/l as C
Total Suspended Solids (TSS)	384 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW05 5B

12-9-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-09

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212128-01

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	27.7	mg/l
Chemical Oxygen Demand (COD)	5.0 U J JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	JR 2/1/93 0.4 ~~5.0~~ UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.05 R	WDS " mg/l
Nitrate + Nitrite (NOX)	0.02 U J JR 2/1/93	WDS " mg/l
Sulfate (SO4)	61.9 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	462 ~~455~~ JR 2/1/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.34 J U	WDS " mg/l
Total Organic Carbon (TOC)	~~0.32~~ 1.0 U	WDS " mg/l
Total Suspended Solids (TSS)	2.00 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db

0012

~~0008~~

JR 1/29/93

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW055B-FB
12-9-92 Field Bla

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-12

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212128-04

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	0.50 ~~41.4~~ JR 2/1/93	mg/l
Chemical Oxygen Demand (COD)	12.0 J ~~22.1~~ JR 2/1/93 WDS 2/15/93	mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93 WDS 2/12/93	mg/l
Ammonia Nitrogen (NH3)	0.03 R ~~0.08~~ JR 2/1/93 WDS "	mg/l as N
Nitrate + Nitrite (NOX)	0.02 UJ JR 2/1/93 WDS "	mg/l as N
Sulfate (SO4)	1.0 UJ ~~37.6~~ JR 2/1/93 WDS 2/25/93	mg/l
Total Dissolved Solids (TDS)	11.0 ~~418~~ JR 2/1/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.73 J ~~0.84~~ JR 2/1/93 WDS 2/15/93	mg/l as N
Total Organic Carbon (TOC)	WDS 2/17/93 1.0 ~~0.2~~ U ~~0.54~~ JR 2/1/93	mg/l as C
Total Suspended Solids (TSS)	1.0 UJ ~~348~~ JR 2/1/93 WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk
0015
~~0011~~
JR 1/29/93

MW055G

12-9-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-08

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212128-05

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT		UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93		mg/l
Chloride (CL)	41.4		mg/l
Chemical Oxygen Demand (COD)	22.1 UJ	WDS 2/15/93	mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93	mg/l
Ammonia Nitrogen (NH3)	0.08 R	WDS "	mg/l as N
Nitrate + Nitrite (NOX)	0.02 UJ JR 2/1/93	WDS "	mg/l as N
Sulfate (SO4)	37.6 J	WDS 2/15/93	mg/l
Total Dissolved Solids (TDS)	418		mg/l
Total Kjeldahl Nitrogen (TKN)	0.84 JU	WDS "	mg/l as N
Total Organic Carbon (TOC)	~~0.54~~ 1.0U	WDS "	mg/l as C
Total Suspended Solids (TSS)	348 J	WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk
0011
~~0012~~
JR 1/29/93

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW065B

12-9-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-11

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212128-03

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	77.2	mg/l
Chemical Oxygen Demand (COD)	32.5 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	22.7 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.03 J	WDS " mg/l as N
Sulfate (SO4)	33.6 J	WDS " mg/l
Total Dissolved Solids (TDS)	676	mg/l
Total Kjeldahl Nitrogen (TKN)	24.3 J	WDS " mg/l as N
Total Organic Carbon (TOC)	8.94 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	55.0 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk (d b)

0014

~~0010~~

JR 1/29/93

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW065G
12-15-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-33

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-06

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U J JR 2/1/93	WDS 2/12/93 mg/l
Chloride (CL)	4.57 UJ	WDS 2/15/93 mg/l
Chemical Oxygen Demand (COD)	6.40 UJ	WDS " mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.09 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	7.79 J	WDS " mg/l as N
Sulfate (SO4)	31.6 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	320	mg/l
Total Kjeldahl Nitrogen (TKN)	0.33 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	~~0.44~~ 1.0 U	WDS " mg/l as C
Total Suspended Solids (TSS)	1010 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db
0023
~~0021~~
JR 1/29/93

U. S. EPA - CLP
1A
SAS DATA SHEET

MW06WB
12-9-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-10

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212128-02

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 U JR 2/1/93	mg/l
Chloride (CL)	81.1	mg/l
Chemical Oxygen Demand (COD)	12.9 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/6/93 mg/l
Ammonia Nitrogen (NH3)	6.68 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.02 U J JR 2/1/93	WDS " mg/l as N
Sulfate (SO4)	46.9 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	565	mg/l
Total Kjeldahl Nitrogen (TKN)	9.62 J	WDS " mg/l as N
Total Organic Carbon (TOC)	4.89 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	1430 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db
disk

FORM 1A

0013
~~0009~~
JR 1/29/93

MW075B
12-21-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-24

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212294-01

Level: Low Date Received: 12/22/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U	mg/l
Chloride (CL)	34.7	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 2/18/93	mg/l
Ammonia Nitrogen (NH3)	0.1 ~~0.02~~ UJ WDS 5/14/93	mg/l as N
Nitrate + Nitrite (NOX)	1.36	mg/l as N
Sulfate (SO4)	55.28 J WDS "	mg/l
Total Dissolved Solids (TDS)	377 J WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.91 ~~R~~ J U WDS "	WDS 5/5/93 5/14/93 mg/l as N
Total Organic Carbon (TOC)	0.582 UJ	WDS 5/12/93 mg/l as C
Total Suspended Solids (TSS)	40.5 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

MW075G
12-22-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-22

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212297-01

Level: Low Date Received: 12/23/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U	mg/l
Chloride (CL)	44.9	mg/l
Chemical Oxygen Demand (COD)	LL 1/25/93 ~~6.25~~ 6.45 UJ WDS 5/19/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 2/18/93	mg/l
Ammonia Nitrogen (NH3)	203 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	26.4	mg/l as N
Sulfate (SO4)	17.80 J WDS "	mg/l
Total Dissolved Solids (TDS)	575 J " WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	203 ~~K~~ J WDS " WDS 5/5/93	mg/l as N
Total Organic Carbon (TOC)	7.02 UJ WDS 5/19/93	mg/l as C
Total Suspended Solids (TSS)	900 J WDS	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW07WB
12-22-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-23

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212297-02

Level: Low Date Received: 12/23/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U	mg/l
Chloride (CL)	29.5	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	4.21 R WDS 2/18/93	mg/l
Ammonia Nitrogen (NH3)	0.52 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	54.60 J WDS "	mg/l
Total Dissolved Solids (TDS)	392 J	WDS 2/8/93 mg/l
Total Kjeldahl Nitrogen (TKN)	1.16 ~~R~~ JU WDS "	WDS 5/5/93 5/19/93 mg/l as N
Total Organic Carbon (TOC)	1.17 UJ	WDS 5/19/93 mg/l as C
Total Suspended Solids (TSS)	344 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW085B
12-15-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-27

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-03

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	6 JU WDS 5/19/93	WDS 2/12/93 mg/l
Chloride (CL)	49.2 UJ	WDS 2/15/93 mg/l
Chemical Oxygen Demand (COD)	19.2 UJ ~~18.8~~ JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.40 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.02 UJ JR 2/1/93	WDS " mg/l as N
Sulfate (SO4)	104 J ~~103.5~~ JR 2/1/93	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	606 ~~612~~ JR 2/1/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.73 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	5.07 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	18.0 J ~~18.5~~ JR 2/1/93	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

FORM 1A

db

disk
0020
~~0018~~
JR 1/29/93

MW085G
12-15-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-25

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-01

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 UJ JR 2/1/93	WDS 2/12/93 mg/l
Chloride (CL)	0.50 U JR 2/1/93	mg/l
Chemical Oxygen Demand (COD)	7.06 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.03 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	2.52 J	WDS " mg/l as N
Sulfate (SO4)	8.09 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	169	mg/l
Total Kjeldahl Nitrogen (TKN)	0.36 JV	WDS " mg/l as N
Total Organic Carbon (TOC)	~~0.42~~ 1.0 U	WDS mg/l as C
Total Suspended Solids (TSS)	44.0 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk
0018
~~0016~~
JR 1/29/93

FORM 1A

U. S. EPA - CLP
1A
SAS DATA SHEET

MW08WB
12-15-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-26

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-02

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	5 JU WDS 5/18/93	WDS 3/12/93 mg/l
Chloride (CL)	1.78 VJ	WDS 3/15/93 mg/l
Chemical Oxygen Demand (COD)	11.8 UJ	WDS " mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 3/12/93 mg/l
Ammonia Nitrogen (NH3)	0.04 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.03 J	WDS " mg/l as N
Sulfate (SO4)	37.6 J	WDS 3/15/93 mg/l
Total Dissolved Solids (TDS)	226	mg/l
Total Kjeldahl Nitrogen (TKN)	0.35 JU	WDS " mg/l as N
Total Organic Carbon (TOC)	2.77 UJ	WDS " mg/l as C
Total Suspended Solids (TSS)	145 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk

0019
~~0017~~
JR 1/29/93

FORM 1A

MW09SB
12-15-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-28

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-04

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	3 JU WDS 5/19/93	WDS 2/12/93 mg/l
Chloride (CL)	125	mg/l
Chemical Oxygen Demand (COD)	30.4 UJ	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	5.53 R	WDS " mg/l
Nitrate + Nitrite (NOX)	0.02 UJ JR 2/1/93	WDS " mg/l
Sulfate (SO4)	47.3 J	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	740	mg/l
Total Kjeldahl Nitrogen (TKN)	7.94 J	WDS " mg/l
Total Organic Carbon (TOC)	5.08 UJ	WDS " mg/l
Total Suspended Solids (TSS)	2.00 J	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

disk db
0021
~~0019~~
JR 1/29/93

MW095B-FB
Field Blank
12-15-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-29

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-01

Matrix: Water Lab Sample I.D.: 9212233-05

Level: Low Date Received: 12/10/92 Date : 1/5/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2.0 UJ JR 2/1/93	WDS 2/12/93 mg/l
Chloride (CL)	1.27	mg/l
Chemical Oxygen Demand (COD)	5.0 UJ JR 2/1/93	WDS 2/15/93 mg/l
Grease & Oil (G_O)	0.4 UR JR 2/1/93	WDS 2/12/93 mg/l
Ammonia Nitrogen (NH3)	0.04 R	WDS " mg/l as N
Nitrate + Nitrite (NOX)	0.02 UJ JR 2/1/93	WDS " mg/l as N
Sulfate (SO4)	1.0 UJ JR 2/1/93	WDS 2/15/93 mg/l
Total Dissolved Solids (TDS)	6.00	mg/l
Total Kjeldahl Nitrogen (TKN)	0.29 J	WDS " mg/l as N
Total Organic Carbon (TOC)	7.72	mg/l as C
Total Suspended Solids (TSS)	1.0 UJ JR 2/1/93	WDS " mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

FORM 1A

db

disk
0022
~~0020~~
JR 1/29/93

U. S. EPA - CLP
1A
SAS DATA SHEET

MW09SG
12-22-92

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-35

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212297-03

Level: Low Date Received: 12/23/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U	mg/l
Chloride (CL)	1.17 UJ	WDS 5/19/93 mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 2/18/93	mg/l
Ammonia Nitrogen (NH3)	0.1 ~~0.02~~ UJ WDS "	WDS 5/19/93 mg/l as N
Nitrate + Nitrite (NOX)	0.12	mg/l as N
Sulfate (SO4)	49.97 J WDS "	mg/l
Total Dissolved Solids (TDS)	315 J WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.55 ~~K~~UJ WDS "	WDS 5/5/93 5/19/93 mg/l as N
Total Organic Carbon (TOC)	1.28 UJ	WDS 5/19/93 mg/l as C
Total Suspended Solids (TSS)	970 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

FORM 1A

MW09SG-FB
12-22-92
Field Blank

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-38

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212297-04

Level: Low Date Received: 12/23/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	2 U	mg/l
Chloride (CL)	0.50 U	mg/l
Chemical Oxygen Demand (COD)	5.0 U	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS 2/19/93	mg/l
Ammonia Nitrogen (NH3)	WDS ~~0.11~~ 0.06 R ~~0.00~~ WDS "	WDS 5/19/93 mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	2.5 ~~1.0~~ U WDS "	mg/l
Total Dissolved Solids (TDS)	3.00 J WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	0.44 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	0.20 U	mg/l as C
Total Suspended Solids (TSS)	1 U J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk

MW09WB
12-21-92

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-36

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212294-02

Level: Low Date Received: 12/22/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	5 J WDS 2/18/93	mg/l
Chloride (CL)	88.4	mg/l
Chemical Oxygen Demand (COD)	18.5 UJ WDS 5/19/93	mg/l
Grease & Oil (G_O)	2.5 ~~0.4~~ UR WDS "	mg/l
Ammonia Nitrogen (NH3)	6.34 J	WDS 5/19/93 mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	60.64 J WDS "	mg/l
Total Dissolved Solids (TDS)	578 J WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	6.40 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	6.81 UJ	WDS 5/19/93 mg/l as C
Total Suspended Solids (TSS)	4.00 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db
disk

FORM 1A

MW09WB-DP
12-21-92
Duplicate

U. S. EPA - CLP
1A
SAS DATA SHEET

Lab Name: PBS&J Environmental Laboratories Contract: PBSJ-0135 Client ID No.: 7652E-37

Lab Code: PBSJ SAS No.: 7652E SDG No.: 7652E01-02

Matrix: Water Lab Sample I.D.: 9212294-03

Level: Low Date Received: 12/22/92 Date : 1/11/93

TEST PERFORMED	RESULT	UNITS
Biochemical Oxygen Demand (BOD)	4 JU WDS 2/18/93	WDS 5/19/93 mg/l
Chloride (CL)	88.1	mg/l
Chemical Oxygen Demand (COD)	19.8 UJ	WDS 5/19/93 mg/l
Grease & Oil (G_O)	3.45 R WDS "	mg/l
Ammonia Nitrogen (NH3)	6.30 J WDS 5/19/93	mg/l as N
Nitrate + Nitrite (NOX)	0.02 U	mg/l as N
Sulfate (SO4)	64.68 J WDS "	mg/l
Total Dissolved Solids (TDS)	582 J WDS 2/18/93	mg/l
Total Kjeldahl Nitrogen (TKN)	7.29 ~~R~~ J WDS "	WDS 5/5/93 mg/l as N
Total Organic Carbon (TOC)	6.20 UJ	WDS 5/19/93 mg/l as C
Total Suspended Solids (TSS)	4.00 J WDS "	mg/l

Notes:

U - Indicates that result was below detection limit of test.
Detection limits may vary bvetween samples for the same analyte due to sample size limitations and/or matrix problems.

db

disk
0017

Ground Water - general water Quality parameters
Round 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 3-17-93

SUBJECT: Review of Region V CLP Data Received for Review on 2-25-1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thompson

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan Twp LF CMI

CASE and/or SAS NUMBER: SAS 7734E **SDG NUMBER:** E01

Number and Type of Samples: 6 water

CLP Sample Numbers: E01 - 06

CLP Laboratory: ICM **Hrs. for Review:** 13.5 + 2.5

Following are our findings:

All ~~TDS, NH3~~, Total Dissolved Solids, Ammonia, ~~chloride~~ sulfate and chemical oxygen Demand Data are Acceptable for use

Data for chloride TSS, BOD, TKN and TOC are acceptable for use with the qualification

Jay Thompson

RECEIVED
MAR 22 1993
ARCS PROGRAM
MANAGEMENT OFFICE

RECEIVED
MAR 22 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG 7734E-05

7734 E02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	~~0.85~~ 0.87 JZ 3/1/93	0.1

Color : Black Clarity : Cloudy Texture: _____

Artifacts: _____

Comments:

sample Vol. 50 mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/05/93

Lab sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	BOD	U J	2

WDS 3/30/93

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

1.l. 30 mL prep date 02/05/93

50 mL

100 mL

200 mL

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7 7 3 4E- 0 5

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	COD	120	50

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: TB4E01 SDG No. 7734E-05

TB4 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	35 J	2.0

WDS 3/30/93

Color: BLACK Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 mL prep date 02/10/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG 7734E-05

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	U	0.1

Color : BLACK Clarity : Cloudy Texture: _____

Artifacts: _____

Comments:

Sample vol. 50 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E02

Matrix (aqueous/solid/leachate): aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID # 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Oil & Grease	UJ WDS 3/30/93	0.4

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 990 mL prep date 02/18/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/19/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Sulfate	35	5.0

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E-01 No 7734E-05

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TDS	410	10

Color : Black Clarity : Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 100 mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG 7734E-

7734 E02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/11/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TKN	3.1 J WDS 3/31/93	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 25 mL prep date 02/11/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/17/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit	
	TOC	12 J WOS 3/30/93	1.0	5x d.l.

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

sample Vol. 2 mL prep date 02/19/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 10
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-02

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161796

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TSS	110 J WDS 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Imp. Vol. 200 mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10 - FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG 7734E-

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	U	0.1

Color : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 ml prep date 02/16/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

'ab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7 7 3 4E- 0 5

7734 E-01

atrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/05/93

Lab Sample ID# 161795

oncentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	BOD	U	2

olor : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

d.l. 100 mL prep date 02/05/93

200 mL

200 mL

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	COD	U	5

Color: COLORLESS Clarity: CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	U	2.0

Color: COLORLESS Clarity: CLEAR Texture: _____

Artifacts: _____

Comments:

sample 50ml prep date 02/10/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01

7734E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	U	0.1

Color: COLORLESS Clarity: ~~CLOUDY~~ CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734E01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Oil & Grease	U J	0.4

WDS 3/30/93

Color : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 1020 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

MW10-FB

FORM 1
CLASSICALS ANALYSIS DATA SHEET

2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/19/93

Lab sample ID#161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Sulfate	U	5.0

Color : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 mL prep date 02/19/93

ab

disk

4/92

MW10-FB
Field Blank
2-4-93

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Lab sample ID# 161795

Receipt date: 02/05/93 Analysis Date: 02/09/93

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TDS	U	10

Color: COLORLESS Clarity: ~~Cloudy~~ CLEAR Texture: _____

Artifacts: _____

Comments:

Samp. Vol. 100ml prep date 02/09/93

db

disk

4/92

MW10-FB
Field Blank
2-4-93

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

Lab Name: ICM

EPA SAMPLE NO.

SDG 7734E-01

Episode No.: _____ SAS No.: 7734-E-01

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/11/93

Lab Sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TKN	U	0.1

Color : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

Sample vol. 25 mL prep date 02/11/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

SDG No. 7734E-05

Episode No.: _____ SAS No.: 7734-E01

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/17/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TOC	U	1.0

Color : COLORLESS Clarity : CLEAR Texture: _____

Artifacts: _____

Comments:

Sample Vol. 10 mL prep date 02/09/93

db

disp

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW10-FB
Field Blank
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab sample ID# 161795

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TSS	U	2

Color: COLORLESS Clarity: CLEAR Texture: _____

Artifacts: _____

Comments:

Sample volume 200mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	U	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample vol. 50 mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/05/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	BOD	23 J WDS 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

d.l. 2 mL prep date 02/05/93

5 mL

10 mL

20 mL

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	COD	180	50

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	46 J WDS 3/30/93	2.0

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

sample vol. 50mL prep date 02/10/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

7734E-03

Episode No.: _____ SAS No.: 7734-E01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	0.7	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample vol. 50 ml prep date 02/18/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734E03

Matrix (aqueous/solid/leachate): _____ % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Oil & Grease	U J WOS 3/30/93	0.4

Color: Black Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 980 mL prep ~~date~~ 02/18/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW 11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/19/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Sulfate	33	5.0

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample vol. 50mL prep date 02/19/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID # K01797

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TDS	380	10

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 100mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG 7734E-

7734 E03

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/11/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TKN	5.9 J WDS 3/30/93	0.1

2x d.l.

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample vol. 12.5 mL prep date 02/11/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734E-03

Matrix (aqueous/solid/leachate): aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: ~~02/0~~ 02/17/93

Lab Sample ID#161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TOC	33 J WDS 3/30/93	1.0

5x dil.

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 2 mL prep date 02/04/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11
2-4-93

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7 7 3 4E- 0 5

7734 E-03

Matrix (aqueous/solid/leachate): aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161797

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TSS	1000 J WOE 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Samp. Vol. 30mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG a7734E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

7734 E-04

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	U	0.1

Color: BLACK Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/05/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	BOD	U 5 WDS 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

dil. 30 mL prep date 02/05/93

50 mL

100 mL

200 mL

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG 7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	COD	170	50

Color : BLACK Clarity : Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50ml prep date 02/16/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG N7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	53 J WDS 3/30/93	2.0

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

sample vol. 50mL prep date 02/10/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate

Lab Name: ICM

EPA SAMPLE NO. 2-4-93

Episode No.: _____ SAS No.: 7734-E01 SDG 7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	0.7	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate

Lab Name: ICM

EPA SAMPLE NO. 2-4-93

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Oil & Grease	U J	0.4

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 1020 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734 E-04

atrix (aqueous/solid/leachate): Aqueous % solids: ____

Lab Sample ID# 161798

Receipt date: 02/05/93 Analysis Date: 02/19/93

oncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Sulfate	32	5.0

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample vol. 50mL prep date 02/19/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP Duplicate 2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-04

Lab Sample ID#161798

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TDS	400	10

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 100mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/11/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TKN	4.5 J. WDS 3/31/93	0.1

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 25 mL prep date 02/11/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG 7734E-15

7734 E-01

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/17/93

Lab Sample ID#161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TOC	26 J WDS 3/30/93	1.0

5x dil.

Color: Black Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample vol. 2 mL prep date 02/09/93

db

4/92 disk

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW11-DP
Duplicate
2-4-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG 7734E-05

7734 E-04

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161798

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TSS	780 J WDS 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG 7734E-

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	U	0.1

Color: Black Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50ml prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: TCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG 7734E-05

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/04/93 Analysis Date: 02/04/93

Lab Sample ID# 161748

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	BOD	24 YY 3/11/93 JWDS 3/30/93	2

Color: Black Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

d.l. 30 mL prep date 2/4/93

50 mL

100 mL

200 mL

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

ab Name: ICM

EPA SAMPLE NO.

SDG

Episode No.: _____ SAS No.: 7734-E-01 A 7 7 3 4E - 0 5

7734 E-05

atrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID#161799

oncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	COD	84	50

olor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

omments:

ample Vol. 50mL prep date 02/16/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E-01 SDG No. 7734E-05

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	6.0 J WDS 3/30/93	2.0

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 ml prep date 02/10/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

SDG 7734E-05

Episode No.: _____ SAS No.: 7734-E01

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	U	0.1

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50 ml prep date 02/09/93 DBS 2/24/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734 E-05

Matrix (aqueous/solid/leachate): aqueous % solids: _____

Lab Sample ID #161799

Receipt date: 02/05/93 Analysis Date: 02/18/93

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	O.&G Grease	UJ WDS 3/30/93	0.4

Color: BLACK Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

Sample Vol. 1000 mL prep date 02/18/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/19/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Sulfate	23	5.0

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

ample Vol. 50mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: JCM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG No. 7 7 3 4E- 0 5

7734 E-05

Matrix (aqueous/solid/leachate): aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID # 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TDS	270	10

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

sample vol. 100ml prep date 02/09/93

ab

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E01 SDG

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/11/93

Sample Lab ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TKN	1.7 J WDS 3/30/93	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 25mL prep date 02/4/93

db

disk

4/92

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

SDG 7734E-05

Episode No.: _____ SAS No.: 7734E01

7734 E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/17/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit	
	TOC	16 J WDS 3/30/93	1.0	5x dil.

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

sample vol. 2 mL prep date 02/05/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW12
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734-E-01 SDG 7734E-05

7734E-05

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161799

Concentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TSS	1100 J WDS 3/30/93	2

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

Sample Vol. 50mL prep date 02/09/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E-01 SDG 7734E-05

7734 E-06

Matrix (aqueous/solid/leachate): Aqueous % solids: _____

Lab Sample ID# 161800

Receipt date: 02/05/93 Analysis Date: 02/16/93

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Ammonia	U	0.1

Color: BLACK Clarity: CLOUDY Texture: _____

Artifacts: _____

Comments:

sample vol. 50 mL prep date 02/11/93

db

disk

4/92

MW13
2-3-93

USEPA - EAD

FORM I
CLASSICALS ANALYSIS DATA SHEET

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E-06 -01 SDG No. 7734E-05

7734E-06

Matrix (aqueous/solid/leachate): Aqueous % solids: ____

Receipt date: 02/04/93 Analysis Date: 02/04/93

Lab sample ID# 161747

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	BOD	21 J WDS 3/30/93	2

Color: Black Clarity: Cloudy Texture: _____

Artifacts: _____

Comments:

d:1. 2 mL prep date 02/04/93
5 mL
10 mL
20 mL

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

Lab Name: ICM

EPA SAMPLE NO.

Episode No.: _____ SAS No.: 7734E-01 SDG 7734E-05

7734 E-06

Matrix (aqueous/solid/leachate): aqueous % solids: _____

Receipt date: 02/05/93 Analysis Date: 02/16/93

Lab Sample ID# 161800

Concentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	COD	280	50

Color : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

Comments:

sample Vol. 50mL prep date 02/16/93

db

4/92 disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

b Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): Aqueous % solids: ____

ceipt date: 02/05/93 Analysis Date: 02/10/93

Lab Sample ID# 161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	Chloride	27 5 WDS 3/30/93	2.0

lor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

nments:

mple vol. 50mL prep ~~date~~ 02/10/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

b Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): Aqueous % solids: _____

ceipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	NO_3+NO_2	U	0.1

lor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

nments:

mple Vol. 50 mL prep date 02/18/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

b Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734E01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): Aqueous % solids: ____

ceipt date: 02/05/93 Analysis Date: 02/18/93

Lab Sample ID# 161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	O:16 Grease	0.5 J WDS 3/30/93	0.4

or : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

ments:

mple vol. 1020 ml prep date 02/18/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

b Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): aqueous % solids: _____

ceipt date: 02/05/93 Analysis Date: 02/19/93

Lab Sample ID# 161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit	
	Sulfate	75	5.0	5x dil.

or : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

ments:

mple vol. 50mL prep ~~date~~ 02/19/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

:b Name: JCM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734-E-01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): Aqueous % solids: _____

ceipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID#161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TDS	410	10

lor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

nments:

mple Vol. 100mL prep date 02/09/93

db

4/92

disk

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13

2-3-93

ab Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734-E01 SDG No. 7734E-05

7734 E-06

trix (aqueous/solid/leachate): Aqueous % solids: ____

ceipt date: 02/05/93 Analysis Date: 02/11/93

Lab Sample ID# 161800

ncentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TKN	4.7 J WDS 3/30/93	0.1

or : Black Clarity : Cloudy Texture: _____

Artifacts: _____

ments:

mple Vol. 25mL prep date 02/11/93

db

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

ıb Name: ICM

EPA SAMPLE NO.

SDG
7734E-05

7734 E-06

ıisode No.: _____ SAS No.: 7734E01

ıtrix (aqueous/solid/leachate): Aqueous % solids: _____

ceipt date: 02/05/93 Analysis Date: 02/17/93

Lab Sample ID# 161800

ıncentration Units (ug/L or mg/Kg dry weight): mg/L

CAS No.	Analyte	Concentration	Detection Limit
	TOC	26 J WDS 3/30/93	1.0

lor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

ıments:

ample Vol. 2 mL prep date 02/09/93

ab

disk

4/92

USEPA - EAD

FORM 1
CLASSICALS ANALYSIS DATA SHEET

MW13
2-3-93

ab Name: ICM

EPA SAMPLE NO.

isode No.: _____ SAS No.: 7734-E-01 SDG 7734E-05

7734 E-06

atrix (aqueous/solid/leachate): Aqueous % solids: _____

eceipt date: 02/05/93 Analysis Date: 02/09/93

Lab Sample ID# 161800

oncentration Units (ug/L or mg/Kg dry weight): mg/L.

CAS No.	Analyte	Concentration	Detection Limit
	TSS	230 J WDS 3/30/93	2

lor : BLACK Clarity : CLOUDY Texture: _____

Artifacts: _____

mments:

ample Vol. 100 mL prep date 02/09/93

db

disk

4/92

Leachate Organics (gw)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/12/93

SUBJECT: Review of Region V CLP Data Received for Review on Jan 21, 1993

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Chunilla for C.T. Elly
Central Regional Laboratory

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan Twp LF (MI)

CASE and/or SAS NUMBER: 19266 SDG NUMBER: EMA54

Number and Type of Samples: 4- water

CLP Sample Numbers: EMA54 -56, EMA60

CLP Laboratory: SWRI Hrs. for Review 6+1=7

Following are our findings:

THE DATA ARE ACCEPTABLE WITH QUALIFICATIONS AS DESCRIBED IN THE ATTACHED REVIEW. - Patrick J. Chunilla 2/12/93

RECEIVED
FEB 22 1993
ARCS PROGRAM MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

LF01
12-16-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA54 0010013

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:X1222203

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: X1222203

Level: (low/med) MED Date Received:12/17/92

% Moisture: not dec. Date Analyzed:12/22/92

GC Column:SP1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	14.	
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	140.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	11.	
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	74.	
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	6.	J
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	19.	
591-78-6	2-Hexanone	150.	
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	43.	
108-90-7	Chlorobenzene	44.	
100-41-4	Ethylbenzene	65.	
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	220.	

db

LF01-DP
Duplicate 12-16-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
EMA55 00010051

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:X1222205

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: X1222205

Level: (low/med) MED Date Received:12/17/92

% Moisture: not dec. Date Analyzed:12/22/92

GC Column:SP1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	12.	
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	130.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	11.	
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	60.	
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	6.	J
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	18.	
591-78-6	2-Hexanone	140.	
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	42.	
108-90-7	Chlorobenzene	43.	
100-41-4	Ethylbenzene	65.	
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	220.	

db
X

LF01-FB
Field Blank 12-16-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0010088

EMA56

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:X1222202

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: X1222202

Level: (low/med) MED Date Received:12/17/92

% Moisture: not dec. Date Analyzed:12/22/92

GC Column:SP1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

db

LF01- TB
Trip Blank 12-16-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO: 0010092

EMA60

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:E1222211

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: E1222211

Level: (low/med) MED Date Received:12/17/92

% Moisture: not dec. Date Analyzed:12/22/92

GC Column:SP1000 ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume:0 (uL) Soil Aliquot Volume:0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

db

Leachate Inorganics
(GW)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 3/1/93

SUBJECT: Review of Region V CLP Data
Received for Review on Feb 16, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Jay Thakker

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion-Sher. TWP LF (MI)

CASE and/or SAS NUMBER: 19266 SDG NUMBER: MELZ70

Number and Type of Samples: 3 (water)

CLP Sample Numbers: MELZ 70-72

CLP Laboratory: Keystone PA Hrs. for Review 6.0 +1

Following are our findings:

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

LF01
00003 12-16-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MELZ70

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 17266 SAS No.: SDG No.: MELZ70

Matrix (soil/water): WATER Lab Sample ID: MELZ70

Level (low/med): MED Date Received: 12/17/92

% 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	59.40	B	JV	P	WDS 2/9/93
7440-36-0	Antimony	13.00	U	J	P	
7440-38-2	Arsenic	19.70		NJ	F	
7440-39-3	Barium	118.00	B	J	P	
7440-41-7	Beryllium	1.00	U	J	P	
7440-43-9	Cadmium	2.00	U	J	P	
7440-70-2	Calcium	65700.00		J	P	
7440-47-3	Chromium	39.10		J	P	
7440-48-4	Cobalt	20.40	B	J	P	
7440-50-8	Copper	3.90	B	JV	P	
7439-89-6	Iron	4230.00		J	P	
7439-92-1	Lead	2.00	U	NR	F	
7439-95-4	Magnesium	180000.00		J	P	
7439-96-5	Manganese	59.30		J	P	
7439-97-6	Mercury	0.20	U	NJ	CV	
7439-02-0	Nickel	177.00		J	P	
7440-09-7	Potassium	448000.00		J	P	
7782-49-2	Selenium	5.00	U	WNR	F	
7440-22-4	Silver	2.00	U	J	P	
7440-23-5	Sodium	1490000.00		EJ	P	
7440-28-0	Thallium	5.00	U	ENR	F	
7440-62-2	Vanadium	16.10	B	J	P	
7440-66-6	Zinc	13.40	B	JV	P	
	Cyanide	10.00	U	NR	AS	

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:
2X DILUTION FOR MG
5X DILUTION FOR NA
5X DILUTION FOR SE
5X DILUTION FOR TL

db

LF01-DP
00001 12-16-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MELZ71
DUPLICATE

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19266 SAS No.: SDG No.: MELZ70

Matrix (soil/water): WATER Lab Sample ID: MELZ71

Level (low/med): MED Date Received: 12/17/92

% 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	71.10	B	JV	P
7440-36-0	Antimony	13.00	U	J	P
7440-38-2	Arsenic	21.40		NJ	F
7440-39-3	Barium	126.00	B	J	P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	67200.00			P
7440-47-3	Chromium	41.40			P
7440-48-4	Cobalt	21.70	B		P
7440-50-8	Copper	3.50	B	U	P
7439-89-6	Iron	5600.00			P
7439-92-1	Lead	3.30		NJ	F
7439-95-4	Magnesium	183000.00		J	P
7439-96-5	Manganese	59.70		J	P
7439-97-6	Mercury	0.20	U	NJ	CV
7439-02-0	Nickel	185.00		J	P
7440-09-7	Potassium	450000.00	J	L.F 2-25-93	P
7782-49-2	Selenium	5.00	U	WNR	F
7440-22-4	Silver	2.00	U	J	P
7440-23-5	Sodium	1600000.00		EJ	P
7440-28-0	Thallium	1.00	U	WNR	F
7440-62-2	Vanadium	16.40	B	J	P
7440-66-6	Zinc	17.70	B	JU	P
	Cyanide	10.00	U	NR	AS

WDS 2/4/93

Color Before: BROWN Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:
2X DILUTION FOR MG
5X DILUTION FOR NA
5X DILUTION FOR SE
5X DILUTION FOR TL

db

LF01-FB
00005 12-16-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MELZ72
Field Blank

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19266 SAS No.: SDG No.: MELZ70

Matrix (soil/water): WATER Lab Sample ID: MELZ72

Level (low/med): MED Date Received: 12/17/92

% 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	24.20	B	J	P
7440-36-0	Antimony	13.00	U	~~R~~ J WDS	P
7440-38-2	Arsenic	1.00	U	N ~~R~~ WDS	F
7440-39-3	Barium	1.30	B	J	P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	638.00	B		P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	4.30	B		P
7439-89-6	Iron	19.00	B		P
7439-92-1	Lead	2.00	U	NR	F
7439-95-4	Magnesium	72.40	B	J	P
7439-96-5	Manganese	3.80	B	J	P
7439-97-6	Mercury	0.20	U	NJ	CV
7439-02-0	Nickel	7.00	U	J	P
7440-09-7	Potassium	408.00	B	J	P
7782-49-2	Selenium	3.00	U	NWR	F
7440-22-4	Silver	2.00	U	J 2-25-92	P
7440-23-5	Sodium	1100.00	B	EJ	P
7440-28-0	Thallium	1.00	U	NR	F
7440-62-2	Vanadium	1.00	U	J	P
7440-66-6	Zinc	18.30	B	J	P
	Cyanide	10.00	U	NR	AS

WDS 3/4/93

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

db

Landfill Soil - Organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 3/8/93

SUBJECT: Review of Region V CLP Data
Received for Review on Jan 15, 1993

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Chunlla for C.T. Elly
Central Regional Laboratory

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sher. TWP LF (MI)

CASE and/or SAS NUMBER: 19245 SDG NUMBER: EMA07

Number and Type of Samples: 7 (Soil)

CLP Sample Numbers: EMA 07-12 EMA 32

CLP Laboratory: Clayton Hrs. for Review 20.0 + 2 = 22.0 wfc

Following are our findings:

THE DATA ARE USABLE WITH THE QUALIFICATIONS NOTED IN THE ATTACHED REVIEW. - Patrick J. Chunlla 3/8/93

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MAR 12 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

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MAR 12 1993
ARCS PROGRAM
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cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

subsurface soil organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 1/19/93

SUBJECT: Review of Region V CLP Data
Received for Review on Dec 17, 1992

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Churilla for C.T. Elly
Central Regional Laboratory

TO: Data User: WWES

We have reviewed the data for the following case.

SITE NAME: Albion - Shes. & WP (F CMI)

CASE and/or SAS NUMBER: 19074 **SDG NUMBER:** EMA13

Number and Type of Samples: 6 - Soils

CLP Sample Numbers: EMA13 - 18

CLP Laboratory: ECAL **Hrs. for Review** 13.5
14.5 hrs wkr

Following are our findings:

BECAUSE OF 0% RECOVERY OF THE PESTICIDE SURROGATES ~~SAM~~ THE PESTICIDE FRACTION OF SAMPLE EMA17 IS UNUSABLE. ALL OTHER DATA ARE USABLE WITH THE QUALIFICATIONS NOTED IN THE ATTACHED REVIEW. — Patrick J. Churilla 1/19/93

RECEIVED
JAN 25 1993
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
(X) Data are unacceptable. Pest for EMA17

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

Landfill and sub-surface Soil
Organics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 12/18/92

SUBJECT: Review of Region V CLP Data
Received for Review on Dec 1, 1992

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chirilla for C.T. Elly

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan TWP LF (MI)

CASE and/or SAS NUMBER: 18937 **SDG NUMBER:** EMC 33

Number and Type of Samples: 7 (Soil)

CLP Sample Numbers: EMC 33-38, 49

CLP Laboratory: Gulf **Hrs. for Review** 16+2=18 WAW

Following are our findings:

THE DATA ARE ACCEPTABLE. SEE THE ATTACHED REVIEW FOR ANY MINOR QUALIFICATIONS. - Patrick J. Chirilla 12/18/92

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DEC 29 1992
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

CONTRACTOR: GULF SOUTH ENVIRONMENTAL LABORATORIES
CASE: 18937

12. Overall Case Assessment:

The Table below summarizes the number of target compounds outside the CRQL and the number of tentatively identified compounds associated with these samples.

Summary of the results for samples in this SDG:

Sample ID	VOA		SVOA		PEST/PCB
	TCL	TIC	TCL	TIC	TCL
EMC33	0	0	-	-	-
EMC34	1	0	0	4	0
EMC35	7	3	12	23	3
EMC35DL	5	0	4	23	-
EMC36	0	0	-	-	-
EMC37	1	0	0	3	0
EMC38	1	0	0	4	0
EMC49	1	0	0	7	0

Acetone and 2-butanone concentration exceeded the calibration range in the volatile sample EMC35. The SVOA sample EMC35 also reported the concentration for 4-methylphenyl to have exceed the calibration range. The samples (VOA and SVOA EMC35) were diluted and reanalyzed to bring the concentrations back within range. Therefore, for the above noted compounds the results from the diluted samples, VOA EMC35DL and SVOA EMC35DL, is used for validating the data in this data set.

Reviewed by: Deborah D. Lazowski Lockheed/ESAT
Date: December 4, 1992

subsurface inorganics
(Landfill)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2-1993

SUBJECT: Review of Region V CLP Data
Received for Review on Feb 5, 1993

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory Jay Thomas

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion-Sher. TWP LF (MI)

CASE and/or SAS NUMBER: 19245 SDG NUMBER: MELX13

Number and Type of Samples: 6 (soil)

CLP Sample Numbers: MELX13 MELZ30-33, 51

CLP Laboratory: Keystone (TX) Hrs. for Review 5 +0.5

Following are our findings:

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MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

Subsurface soils - Inorganics

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 1/13/93

SUBJECT: Review of Region V CLP Data
Received for Review on Dec 16, 1992

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chunilla for C.T. Elly

TO: Data User: WWES

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan TWP (F & MI)

CASE and/or SAS NUMBER: 19074 SDG NUMBER: MEL234

Number and Type of Samples: 5 - SOILS

CLP Sample Numbers: MEL234 - 38

CLP Laboratory: Keystone-Monroeville Hrs. for Review 6 +1

Following are our findings:

THE DATA ARE ACCEPTABLE WITH QUALIFICATIONS AS NOTED IN THE ATTACHED REVIEW. — Patrick J. Chunilla 1/13/93

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QC'ed & copied
WBS 1/27/93

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 12/4/92

SUBJECT: Review of Region V CLP Data
Received for Review on NOV 12, 1992

FROM: Charles T. Elly, Director (SL-10C) Patrick J. Chunlla for C.T. Elly
Central Regional Laboratory

TO: Data User: WWS

We have reviewed the data for the following case.

SITE NAME: Albion - Sheridan TWP LF (MI)

CASE and/or SAS NUMBER: 18937 SDG NUMBER: MELX16

Number and Type of Samples: 5 (Soil)

CLP Sample Numbers: MELX16 -20

CLP Laboratory: EHRT Hrs. for Review 5 +0.5

Following are our findings:

THE DATA ARE ACCEPTABLE FOR USE. - Patrick J. Chunlla 12/4/92

RECEIVED
DEC 09 1992
ARCS PROGRAM
MANAGEMENT OFFICE

( ) Data are acceptable for use.
(X) Data are acceptable for use with quali
( ) Data are preliminary, pending verifica
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

Inorganics
Background
Subsurface
Soil Data
&
1 landfill
boring sample

AL-LP01-101
10-22-92
Depth 16-18'

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MELX16

Lab Name: ENV._HEALTH_RESEARCH_TEST Contract: 68D20046__

Lab Code: EHRT__ Case No.: 18937_ SAS No.: _____ SDG No.: MELX16

Matrix (soil/water): SOIL_ Lab Sample ID: MELX16____

Level (low/med): LOW__ Date Received: 10/24/92

% Solids: _90.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2960			P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	3.8			F
7440-39-3	Barium	20.3	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	4.0			P
7440-70-2	Calcium	14100			P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	2.8	B		P
7440-50-8	Copper	3.0	B		P
7439-89-6	Iron	14300			P
7439-92-1	Lead	11.3		*	F
7439-95-4	Magnesium	2130		5	P
7439-96-5	Manganese	366		E	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	516	B		P
7782-49-2	Selenium	0.37	U		F
7440-22-4	Silver	0.76	U		P
7440-23-5	Sodium	768	B		P
7440-28-0	Thallium	0.39	U		F
7440-62-2	Vanadium	8.5	B		P
7440-66-6	Zinc	26.2			P
	Cyanide	0.56	U		C

WDS 12/10/92

Color Before: BROWN____ Clarity Before: SOIL__ Texture: COARSE

Color After: YELLOW___ Clarity After: CLOUDY Artifacts: _____

Comments:

db

DISK

FORM I - IN

2.

ILMO2.1

LF02A (2-4')
12-2-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELX13

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111002

Level (low/med): LOW Date Received: 12/11/92

% Solids: 86.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2760.00			P	
7440-36-0	Antimony	523.00			P	
7440-38-2	Arsenic	8.00			F	
7440-39-3	Barium	64.20			P	
7440-41-7	Beryllium	0.23	U		P	
7440-43-9	Cadmium	0.96	B		P	
7440-70-2	Calcium	11200.00			P	
7440-47-3	Chromium	12.00			P	
7440-48-4	Cobalt	3.20	B		P	
7440-50-8	Copper	35.10			P	
7439-89-6	Iron	12000.00			P	
7439-92-1	Lead	208.00			F	
7439-95-4	Magnesium	2890.00			P	
7439-96-5	Manganese	195.00			P	
7439-97-6	Mercury	0.17			CV	
7439-02-0	Nickel	12.80			P	
7440-09-7	Potassium	286.00	B		P	
7782-49-2	Selenium	0.93	U	WN J	F	WDS 2/24/93
7440-22-4	Silver	0.69	U		P	
7440-23-5	Sodium	205.00	B		P	
7440-28-0	Thallium	0.46	U	WJ	F	WDS 2/24/93
7440-62-2	Vanadium	7.50	B		P	
7440-66-6	Zinc	111.00			P	
	Cyanide	0.58	U		AS	

Color Before: GREY Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db

disk

FORM I - IN

3/90

000005

LF02B (10-12')
12-2-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MEL230

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111005

Level (low/med): LOW Date Received: 12/11/92

% Solids: 87.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3380.00			P	
7440-36-0	Antimony	15.40			P	
7440-38-2	Arsenic	13.10			F	
7440-39-3	Barium	74.80			P	
7440-41-7	Beryllium	0.23	U		P	
7440-43-9	Cadmium	0.69	U		P	
7440-70-2	Calcium	15200.00			P	
7440-47-3	Chromium	8.10			P	
7440-48-4	Cobalt	2.60	B		P	
7440-50-8	Copper	6.70			P	
7439-89-6	Iron	11600.00			P	
7439-92-1	Lead	53.90			F	
7439-95-4	Magnesium	2840.00			P	
7439-96-5	Manganese	302.00			P	
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	7.90	B		P	
7440-09-7	Potassium	226.00	U		P	
7782-49-2	Selenium	0.92	U	WNJ	F	WDS 2/24/93
7440-22-4	Silver	0.69	U		P	
7440-23-5	Sodium	112.00	B		P	
7440-28-0	Thallium	0.46	U	WJ	F	WDS 2/24/93
7440-62-2	Vanadium	9.10	B		P	
7440-66-6	Zinc	84.00			P	
	Cyanide	0.57	U		AS	

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db

disk

FORM I - IN

3/90

LF02C (20-22')
12-2-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEL231

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111006

Level (low/med): LOW Date Received: 12/11/92

% Solids: 91.8

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1850.00			P	
7440-36-0	Antimony	4.60	U		P	
7440-38-2	Arsenic	3.50			F	
7440-39-3	Barium	11.30	B		P	
7440-41-7	Beryllium	0.22	U		P	
7440-43-9	Cadmium	0.65	U		P	
7440-70-2	Calcium	1190.00			P	
7440-47-3	Chromium	4.80			P	
7440-48-4	Cobalt	2.10	B		P	
7440-50-8	Copper	13.30			P	
7439-89-6	Iron	8480.00			P	
7439-92-1	Lead	7.20		S	F	
7439-95-4	Magnesium	644.00	B		P	
7439-96-5	Manganese	141.00			P	
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	7.60	B		P	
7440-09-7	Potassium	215.00	U		P	
7782-49-2	Selenium	0.87	U	WN J	F	WDS 2/24/93
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	47.30	B		P	
7440-28-0	Thallium	0.44	U	WJ	F	WDS 2/24/93
7440-62-2	Vanadium	6.30	B		P	
7440-66-6	Zinc	29.20			P	
	Cyanide	0.54	U		AS	

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db

disk

FORM I - IN

3/90

LF03A (2-41)
12-2-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MEL232

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111007

Level (low/med): LOW Date Received: 12/11/92

% Solids: 92.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1660.00			P	
7440-36-0	Antimony	4.50	U		P	
7440-38-2	Arsenic	3.30			F	
7440-39-3	Barium	9.00	B		P	
7440-41-7	Beryllium	0.22	U		P	
7440-43-9	Cadmium	0.65	U		P	
7440-70-2	Calcium	45300.00			P	
7440-47-3	Chromium	4.50			P	
7440-48-4	Cobalt	2.10	B		P	
7440-50-8	Copper	4.80	B		P	
7439-89-6	Iron	7070.00			P	
7439-92-1	Lead	5.90			F	
7439-95-4	Magnesium	11500.00			P	
7439-96-5	Manganese	275.00			P	
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	6.00	B		P	
7440-09-7	Potassium	212.00	U		P	
7782-49-2	Selenium	0.86	U	WN J	F	WDS 2/24/93
7440-22-4	Silver	0.65	U		P	
7440-23-5	Sodium	58.10	B		P	
7440-28-0	Thallium	0.43 ~~5.06~~	U		F	By 2-11-93
7440-62-2	Vanadium	6.30	B		P	
7440-66-6	Zinc	27.20			P	
	Cyanide	0.54	U		AS	

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db

disk

FORM I - IN

3/90

LF03B (20-22')
12-2-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ83

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111008

Level (low/med): LOW Date Received: 12/11/92

% Solids: 76.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2590.00			P	
7440-36-0	Antimony	5.50	U		P	
7440-38-2	Arsenic	4.50			F	
7440-39-3	Barium	17.70	B		P	
7440-41-7	Beryllium	0.26	U		P	
7440-43-9	Cadmium	0.79	U		P	
7440-70-2	Calcium	17800.00			P	
7440-47-3	Chromium	11.40			P	
7440-48-4	Cobalt	2.30	B		P	
7440-50-8	Copper	19.00			P	
7439-89-6	Iron	15200.00			P	
7439-92-1	Lead	12.90		+J	F	WDS 2/24/93
7439-95-4	Magnesium	4480.00			P	
7439-96-5	Manganese	221.00			P	
7439-97-6	Mercury	0.13	U		CV	
7439-02-0	Nickel	10.10	B		P	
7440-09-7	Potassium	258.00	U		P	
7782-49-2	Selenium	1.00	U	WNJ	F	WDS 2/24/93
7440-22-4	Silver	0.79	U		P	
7440-23-5	Sodium	152.00	B		P	
7440-28-0	Thallium	0.52	U		F	
7440-62-2	Vanadium	6.50	B		P	
7440-66-6	Zinc	139.00			P	
	Cyanide	0.65	U		AS	

Color Before: BLACK Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db

FORM I - IN

3/90 disk

LF03C
(34-36') 12-2-92

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MEL251

Lab Name: KEYSTONE LAB-HOUSTON Contract: 68-D0-0147

Lab Code: KEYTX Case No.: 19245 SAS No.: SDG No.: MELX13

Matrix (soil/water): SOIL Lab Sample ID: 9212111009

Level (low/med): LOW Date Received: 12/11/92

% Solids: 87.3

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1660.00			P	
7440-36-0	Antimony	4.80	U		P	
7440-38-2	Arsenic	7.50			F	
7440-39-3	Barium	9.20	B		P	
7440-41-7	Beryllium	0.23	U		P	
7440-43-9	Cadmium	0.69	U		P	
7440-70-2	Calcium	29100.00			P	
7440-47-3	Chromium	8.80			P	
7440-48-4	Cobalt	2.80	B		P	
7440-50-8	Copper	3.60	B		P	
7439-89-6	Iron	9750.00			P	
7439-92-1	Lead	10.30		S	F	
7439-95-4	Magnesium	6880.00			P	
7439-96-5	Manganese	225.00			P	
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	8.60	B		P	
7440-09-7	Potassium	226.00	U		P	
7782-49-2	Selenium	0.92	U	NJ	F	MDS 2/24/93
7440-22-4	Silver	0.69	U		P	
7440-23-5	Sodium	60.90	B		P	
7440-28-0	Thallium	0.46	U		F	
7440-62-2	Vanadium	6.20	B		P	
7440-66-6	Zinc	30.90			P	
	Cyanide	0.57	U		AS	

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: LT.BROWN Clarity After: Artifacts:

Comments:

db disk

FORM I - IN

3/90

AL-MW01A-101
10-22-92
depth 2-4'

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MELX20

Lab Name: ENV._HEALTH_RESEARCH_TEST Contract: 68D20046__

Lab Code: EHRT__ Case No.: 18937_ SAS No.: _____ SDG No.: MELX16

Matrix (soil/water): SOIL_ Lab Sample ID: MELX20____

Level (low/med): LOW__ Date Received: 10/24/92

% Solids: _84.0

BACKGROUND

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18200			P
7440-36-0	Antimony	4.2	U		P
7440-38-2	Arsenic	10.7		S	F
7440-39-3	Barium	65.9			P
7440-41-7	Beryllium	0.72	B		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	2960			P
7440-47-3	Chromium	25.7			P
7440-48-4	Cobalt	12.5			P
7440-50-8	Copper	16.8			P
7439-89-6	Iron	24200			P
7439-92-1	Lead	14.4		*	F
7439-95-4	Magnesium	4280			P
7439-96-5	Manganese	392		EJ	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	23.1			P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	0.40	U		F
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	45.7	B		P
7440-28-0	Thallium	0.43	U		F
7440-62-2	Vanadium	40.7			P
7440-66-6	Zinc	47.8			P
	Cyanide	0.60	U		C

WDS 12/10/92

Color Before: BROWN____ Clarity Before: SOIL__ Texture: COARSE

Color After: YELLOW___ Clarity After: CLOUDY Artifacts: _____

Comments:

db

disk

FORM I - IN

6.

ILMO2.1

AL-MW01 B-101
10-22-92
depth 10-12'

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MELX19

Lab Name: ENV._HEALTH_RESEARCH_TEST Contract: 68D20046__

Lab Code: EHRT__ Case No.: 18937_ SAS No.: _____ SDG No.: MELX16

Matrix (soil/water): SOIL_ Lab Sample ID: MELX19____

Level (low/med): LOW__ Date Received: 10/24/92

% Solids: _95.1

BACKGROUND

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1070			P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	4.0			F
7440-39-3	Barium	6.3	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	1.7			P
7440-70-2	Calcium	20300			P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	5.7			P
7439-89-6	Iron	5870			P
7439-92-1	Lead	4.0		*	F
7439-95-4	Magnesium	3250			P
7439-96-5	Manganese	118		E J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	182	B		P
7782-49-2	Selenium	0.35	U		F
7440-22-4	Silver	0.72	U		P
7440-23-5	Sodium	54.9	B		P
7440-28-0	Thallium	0.37	U		F
7440-62-2	Vanadium	4.2	B		P
7440-66-6	Zinc	18.3			P
	Cyanide	0.53	U		C

WDS 12/10/92

Color Before: BROWN____ Clarity Before: SAND__ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLOUDY Artifacts: _____

Comments:

db

disk

AL-MW01C-101
10-22-92
depth 18-20'

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MELX18

Lab Name: ENV._HEALTH_RESEARCH_TEST Contract: 68D20046__

Lab Code: EHRT__ Case No.: 18937_ SAS No.: _____ SDG No.: MELX16

Matrix (soil/water): SOIL_ Lab Sample ID: MELX18____

Level (low/med): LOW__ Date Received: 10/24/92

% Solids: _96.6

BACKGROUND

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	1020			P
7440-36-0	Antimony_	3.6	U		P
7440-38-2	Arsenic__	1.8	B		F
7440-39-3	Barium___	3.9	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium__	0.84	U		P
7440-70-2	Calcium__	26700			P
7440-47-3	Chromium_	3.2			P
7440-48-4	Cobalt___	1.3	B		P
7440-50-8	Copper___	2.3	U		P
7439-89-6	Iron____	4020			P
7439-92-1	Lead____	1.6		*	F
7439-95-4	Magnesium	4520			P
7439-96-5	Manganese	103		EJ	P
7439-97-6	Mercury__	0.04	U		CV
7440-02-0	Nickel___	3.4	B		P
7440-09-7	Potassium	170	B		P
7782-49-2	Selenium_	0.34	U		F
7440-22-4	Silver___	0.72	U		P
7440-23-5	Sodium___	37.4	B		P
7440-28-0	Thallium_	0.36	U		F
7440-62-2	Vanadium_	2.5	B		P
7440-66-6	Zinc____	10.7			P
	Cyanide__	0.52	U		C

WDS 12/10/92

Color Before: BROWN____ Clarity Before: SAND__ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLOUDY Artifacts: _____

Comments:

db disk

AL-MW01D-101
10-22-92
depth 26-28'

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MELX17

Lab Name: ENV._HEALTH_RESEARCH_TEST Contract: 68D20046__

Lab Code: EHRT__ Case No.: 18937_ SAS No.: _____ SDG No.: MELX16

Matrix (soil/water): SOIL_ Lab Sample ID: MELX17____

Level (low/med): LOW__ Date Received: 10/24/92

% Solids: _96.6 BACKGROUND

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1260			P
7440-36-0	Antimony	3.6	U		P
7440-38-2	Arsenic	2.3			F
7440-39-3	Barium	4.4	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	41700			P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	2.2	U		P
7439-89-6	Iron	4560			P
7439-92-1	Lead	2.4		*	F
7439-95-4	Magnesium	7160			P
7439-96-5	Manganese	127		EJ	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	199	B		P
7782-49-2	Selenium	0.34	U		F
7440-22-4	Silver	0.76	B		P
7440-23-5	Sodium	40.9	B		P
7440-28-0	Thallium	0.36	U		F
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	13.9			P
	Cyanide	0.52	U		C

WDS 12/10/92

Color Before: BROWN____ Clarity Before: SAND__ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLOUDY Artifacts: _____

Comments:

db

disk

FORM I - IN

3.

ILMO2.1

MW2A (4-6')

00003

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ34

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19074 SAS No.: SDG No.: MELZ34 11-10-92

Matrix (soil/water): SOIL Lab Sample ID: MELZ34

Level (low/med): LOW Date Received: 11/12/92

% Solids: 92.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2840.00			P	
7440-36-0	Antimony	2.80	U	N J	P	WDS 1/27/93
7440-38-2	Arsenic	3.10			F	
7440-39-3	Barium	15.80	B		P	
7440-41-7	Beryllium	0.22	U		P	
7440-43-9	Cadmium	0.43	U		P	
7440-70-2	Calcium	367.00	B		P	
7440-47-3	Chromium	6.60			P	
7440-48-4	Cobalt	1.60	B		P	
7440-50-8	Copper	6.40			P	
7439-89-6	Iron	6990.00		*	P	
7439-92-1	Lead	3.20		*J	F	WDS 1/27/93
7439-95-4	Magnesium	824.00	B		P	
7439-96-5	Manganese	116.00		N J	P	WDS 1/27/93
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	6.40	B	J	P	WDS 1/27/93
7440-09-7	Potassium	183.00	B		P	
7782-49-2	Selenium	0.22	B	J	F	WDS 1/27/93
7440-22-4	Silver	0.43	U		P	
7440-23-5	Sodium	28.40	B		P	
7440-28-0	Thallium	0.22	U		F	
7440-62-2	Vanadium	7.70	B		P	
7440-66-6	Zinc	30.10		J	P	WDS 1/27/93
	Cyanide	0.54	U		AS	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

disk

db

FORM I - IN

3/90

MW2B(8-10')

00004

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ35

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19074 SAS No.: SDG No.: MELZ34 11-10-92

Matrix (soil/water): SOIL Lab Sample ID: MELZ35

Level (low/med): LOW Date Received: 11/12/92

% Solids: 89.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1550.00			P	
7440-36-0	Antimony	2.90	U	NJ	P	WDS 1/22/93
7440-38-2	Arsenic	3.60			F	
7440-39-3	Barium	10.40	B		P	
7440-41-7	Beryllium	0.22	U		P	
7440-43-9	Cadmium	0.45	U		P	
7440-70-2	Calcium	324.00	B		P	
7440-47-3	Chromium	4.60			P	
7440-48-4	Cobalt	1.80	B		P	
7440-50-8	Copper	5.60			P	
7439-89-6	Iron	7590.00		*	P	
7439-92-1	Lead	3.30		*J	F	WDS
7439-95-4	Magnesium	422.00	B		P	
7439-96-5	Manganese	91.40		NJ	P	WDS
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	6.50	B	J	P	WDS
7440-09-7	Potassium	148.00	B		P	
7782-49-2	Selenium	0.22	U		F	
7440-22-4	Silver	0.45	U		P	
7440-23-5	Sodium	27.50	B		P	
7440-28-0	Thallium	0.22	U		F	
7440-62-2	Vanadium	6.40	B		P	
7440-66-6	Zinc	27.60		J	P	WDS
	Cyanide	0.56	U		AS	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

disk

db

MW2B-1DP (8-10') 00007 11-10-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ38

Duplicate

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19074 SAS No.: SDG No.: MELZ34

Matrix (soil/water): SOIL Lab Sample ID: MELZ38

Level (low/med): LOW Date Received: 11/12/92

% Solids: 92.5

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1690.00			P	
7440-36-0	Antimony	2.80	U	NJ	P	WDS 1/27/93
7440-38-2	Arsenic	4.00			F	
7440-39-3	Barium	7.80	B		P	
7440-41-7	Beryllium	0.22	U		P	
7440-43-9	Cadmium	0.43	U		P	
7440-70-2	Calcium	357.00	B		P	
7440-47-3	Chromium	6.30			P	
7440-48-4	Cobalt	1.60	B		P	
7440-50-8	Copper	5.50			P	
7439-89-6	Iron	8740.00		*	P	
7439-92-1	Lead	3.30		*J	F	WDS
7439-95-4	Magnesium	530.00	B		P	
7439-96-5	Manganese	148.00		NJ	P	WDS
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	7.10	B	J	P	WDS
7440-09-7	Potassium	75.00	U		P	
7782-49-2	Selenium	0.22	U		F	
7440-22-4	Silver	0.43	U		P	
7440-23-5	Sodium	19.80	B		P	
7440-28-0	Thallium	0.22	U		F	
7440-62-2	Vanadium	6.90	B		P	
7440-66-6	Zinc	54.80		J	P	WDS
	Cyanide	0.54	U		AS	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

disk

db

MW2C (12-14')

U.S. EPA - CLP

00005

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ36

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19074 SAS No.: SDG No.: MELZ34 11-10-92

Matrix (soil/water): SOIL Lab Sample ID: MELZ36

Level (low/med): LOW Date Received: 11/12/92

% Solids: 93.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1290.00			P	
7440-36-0	Antimony	2.80	U	NJ	P	WDS 1/27/93
7440-38-2	Arsenic	3.80			F	
7440-39-3	Barium	7.30	B		P	
7440-41-7	Beryllium	0.21	U		P	
7440-43-9	Cadmium	0.43	U		P	
7440-70-2	Calcium	387.00	B		P	
7440-47-3	Chromium	3.90			P	
7440-48-4	Cobalt	1.60	B		P	
7440-50-8	Copper	7.30			P	
7439-89-6	Iron	7010.00		*	P	
7439-92-1	Lead	3.30		*J	F	WDS
7439-95-4	Magnesium	453.00	B		P	
7439-96-5	Manganese	152.00		NJ	P	WDS
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	6.40	B	J	P	WDS
7440-09-7	Potassium	106.00	B		P	
7782-49-2	Selenium	0.21	U		F	
7440-22-4	Silver	0.43	U		P	
7440-23-5	Sodium	18.90	B		P	
7440-28-0	Thallium	0.21	U		F	
7440-62-2	Vanadium	5.70	B		P	
7440-66-6	Zinc	37.90		J	P	WDS
	Cyanide	0.53	U		AS	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

disk

FORM I - IN

3/90 db

MW2D (16-18'
00006
11-10-92

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MELZ37

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19074 SAS No.: SDG No.: MELZ34

Matrix (soil/water): SOIL Lab Sample ID: MELZ37

Level (low/med): LOW Date Received: 11/12/92

% Solids: 93.6

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1870.00			P	
7440-36-0	Antimony	2.80	U	NJ	P	WDS 1/27/93
7440-38-2	Arsenic	5.30			F	
7440-39-3	Barium	10.30	B		P	
7440-41-7	Beryllium	0.21	U		P	
7440-43-9	Cadmium	0.43	U		P	
7440-70-2	Calcium	8620.00			P	
7440-47-3	Chromium	5.80			P	
7440-48-4	Cobalt	2.80	B		P	
7440-50-8	Copper	9.40			P	
7439-89-6	Iron	9350.00		*	P	
7439-92-1	Lead	4.90		S*J	F	WDS
7439-95-4	Magnesium	1800.00			P	
7439-96-5	Manganese	198.00		NJ	P	WDS
7439-97-6	Mercury	0.11	U		CV	
7439-02-0	Nickel	8.00	B	J	P	WDS
7440-09-7	Potassium	166.00	B		P	
7782-49-2	Selenium	0.21	U		F	
7440-22-4	Silver	0.43	U		P	
7440-23-5	Sodium	45.30	B		P	
7440-28-0	Thallium	0.26	B	WJ	F	WDS 1/27/93
7440-62-2	Vanadium	10.50	B		P	
7440-66-6	Zinc	63.50		J	P	WDS
	Cyanide	0.53	U		AS	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

disk

db

FORM I - IN

3/90

LF01-TB
10-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIP BLANK
EMC33

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) WATER Lab Sample ID: KTU001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: VOKTU01

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. _____ Date Analyzed: 10/27/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~5~~	BJ U 12-3-92 dd
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

19245 · 5

LF03-TB
12-2-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA12

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) WATER Lab Sample ID: 118799

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: E2514

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. ____ Date Analyzed: 12/28/92

GC Column: CAP ID: 0.530 (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	10	U	WDS 3/12/93
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	19	BU	WDS 3/12/93
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

db

MWDA-Trip B
10-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC36

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) WATER Lab Sample ID: KTU004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: VOKTU04

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. ____ Date Analyzed: 10/27/92

GC Column: RTX-502.2 ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B U
67-64-1	Acetone	10	BJ U 12-3-92
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

MW2A-TB Trip blank 11-10-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA18

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) WATER Lab Sample ID: 66831-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: S3454

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. Date Analyzed: 11/16/92

GC Column: CAP ID: 0.530 (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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~4~~	BJU
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

CL 11-24-92

FORM I VOA 3/90

V-0088

LF01 (16-18')

EPA SAMPL[illegible]

10-22-[illegible]

EMC35

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: VOKTU03

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 10 Date Analyzed: 10/28/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	660	BE
75-15-0	Carbon Disulfide	2	J
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	700	E
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	12	
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	14	
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	24	
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	88	

u 12-3-92

db

Do not enter this result
See Diluted sample

FORM I VOA 010029 3/90

LF01- DL
(16-18')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
10-22-92 [redacted]

EMC35DL

Lab Name: G S E L I Contract: 68-D0-0160

Diluted

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003DL

Sample wt/vol: 1.00 (g/mL) G Lab File ID: VOKTU03D

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 10 Date Analyzed: 10/29/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	56	U
74-83-9	Bromomethane	56	U
75-01-4	Vinyl Chloride	56	U
75-00-3	Chloroethane	56	U
75-09-2	Methylene Chloride	56 ~~37~~	BDJ w 123%
67-64-1	Acetone	700	BD
75-15-0	Carbon Disulfide	56	U
75-35-4	1,1-Dichloroethene	56	U
75-34-3	1,1-Dichloroethane	56	U
156-60-5	trans-1,2-Dichloroethene	56	U
67-66-3	Chloroform	56	U
107-06-2	1,2-Dichloroethane	56	U
78-93-3	2-Butanone	620	D
71-55-6	1,1,1-Trichloroethane	56	U
56-23-5	Carbon Tetrachloride	56	U
75-27-4	Bromodichloromethane	56	U
78-87-5	1,2-Dichloropropane	56	U
10061-01-5	cis-1,3-Dichloropropene	56	U
79-01-6	Trichloroethene	56	U
124-48-1	Dibromochloromethane	56	U
79-00-5	1,1,2-Trichloroethane	56	U
71-43-2	Benzene	56	U
10061-02-6	trans-1,3-Dichloropropene	56	U
75-25-2	Bromoform	56	U
108-10-1	4-Methyl-2-Pentanone	56	U
591-78-6	2-Hexanone	56	U
127-18-4	Tetrachloroethene	56	U
79-34-5	1,1,2,2-Tetrachloroethane	56	U
108-88-3	Toluene	12	DJ
108-90-7	Chlorobenzene	56	U
100-41-4	Ethylbenzene	11	DJ
100-42-5	Styrene	56	U
1330-20-7	Xylene (total)	44	DJ

db

enter this result for the non-diluted analysis

19245.5

LF02A 2-4'

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA07

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118787

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2427

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 8 Date Analyzed: 12/21/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U J	WDS 3/12/92
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	11~~8~~	BJ LL	1.19.93
67-64-1	Acetone	86	B LL	L.F.
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	8	J	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	1	J	
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

db

19245.5

LF02B
10-12'

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA08

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118789

Sample wt/vol: 5.00 (g/mL) G Lab File ID: B6686

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 16 Date Analyzed: 12/16/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	(not qualified)
74-87-3	Chloromethane	12	U ~~8~~ WDS	WDS ~~[illegible]~~
74-83-9	Bromomethane	12	U	
75-01-4	Vinyl Chloride	12	U	
75-00-3	Chloroethane	12	U	
75-09-2	Methylene Chloride	12 ~~8~~	BJ U	1-19.93
67-64-1	Acetone	89	B	L.F.
75-15-0	Carbon Disulfide	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
540-59-0	1,2-Dichloroethene (total)	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	12	U	
78-93-3	2-Butanone	21		
71-55-6	1,1,1-Trichloroethane	12	U	
56-23-5	Carbon Tetrachloride	12	U	
75-27-4	Bromodichloromethane	12	U	
78-87-5	1,2-Dichloropropane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
79-01-6	Trichloroethene	12	U	
124-48-1	Dibromochloromethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
71-43-2	Benzene	12	U	
10061-02-6	trans-1,3-Dichloropropene	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-Pentanone	12	U	
591-78-6	2-Hexanone	12	U	
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
108-88-3	Toluene	1	J	
108-90-7	Chlorobenzene	12	U	
100-41-4	Ethylbenzene	12	U	
100-42-5	Styrene	12	U	
1330-20-7	Xylene (total)	2	J	

db

19245.5

LF02C, 20-22'

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA09

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118792

Sample wt/vol: 5.00 (g/mL) G Lab File ID: B6685

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 15 Date Analyzed: 12/16/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	~~12~~	BJ
67-64-1	Acetone	120	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	19	
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	2	J

wd (not Qualified)

1.20.93 L.F.

db

FORM I VOA 3/90

19245.5

LF03A, 2-4'

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA10

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118793

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2452

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 8 Date Analyzed: 12/22/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U J	MDS 3/12/93
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	11	BJ LL	1.20.93
67-64-1	Acetone	40	B LL	L.F.
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	11	U	
108-90-7	Chlorobenzene	10	J	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

FORM I VOA 3/90

19245.5 LF03B (20-22)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-4-92

EMA11

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118795

Sample wt/vol: 1.00 (g/mL) G Lab File ID: E2460

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 21 Date Analyzed: 12/23/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	63	U
74-83-9	Bromomethane	63	U
75-01-4	Vinyl Chloride	63	U
75-00-3	Chloroethane	63	U
75-09-2	Methylene Chloride	86	B
67-64-1	Acetone	790	B
75-15-0	Carbon Disulfide	63	U
75-35-4	1,1-Dichloroethene	63	U
75-34-3	1,1-Dichloroethane	63	U
540-59-0	1,2-Dichloroethene (total)	63	U
67-66-3	Chloroform	63	U
107-06-2	1,2-Dichloroethane	63	U
78-93-3	2-Butanone	36	J
71-55-6	1,1,1-Trichloroethane	63	U
56-23-5	Carbon Tetrachloride	63	U
75-27-4	Bromodichloromethane	63	U
78-87-5	1,2-Dichloropropane	63	U
10061-01-5	cis-1,3-Dichloropropene	63	U
79-01-6	Trichloroethene	63	U
124-48-1	Dibromochloromethane	63	U
79-00-5	1,1,2-Trichloroethane	63	U
71-43-2	Benzene	63	U
10061-02-6	trans-1,3-Dichloropropene	63	U
75-25-2	Bromoform	63	U
108-10-1	4-Methyl-2-Pentanone	63	U
591-78-6	2-Hexanone	63	U
127-18-4	Tetrachloroethene	63	U
79-34-5	1,1,2,2-Tetrachloroethane	63	U
108-88-3	Toluene	39	J
108-90-7	Chlorobenzene	63	U
100-41-4	Ethylbenzene	230	
100-42-5	Styrene	63	U
1330-20-7	Xylene (total)	880	

WOS 3/24/93

db

19245 · 5

LF03C
34-36
12-4-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA32

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118797

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E2428

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: not dec. 12 Date Analyzed: 12/22/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U J	WDS 3/12/93
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	12	B U	1.19.93
67-64-1	Acetone	34	B U	L.F.
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	8	J	
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	4	J	

db

MW1A
10-22-92
(2-4')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE ID: [redacted]

EMC49

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU009

Sample wt/vol: 5.00 (g/mL) G Lab File ID: VOKTU09

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 13 Date Analyzed: 10/28/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	33	B ct
67-64-1	Acetone	13	B u
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

2-3-92 dell

db

MWDB
10-22-92
(10-12') EPA SAMPLE NO. [redacted]

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EMC38

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: VOKTU06

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 5 Date Analyzed: 10/28/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	24	B u
67-64-1	Acetone	12	B u
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	7	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

12-3-9 dll

db

MW01 C
10-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
18-30' [redacted]

EMC37

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: VOKTU05

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 5 Date Analyzed: 10/28/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	BJ u
67-64-1	Acetone	13	B u
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

12-3-9 dll

dbp

MW01 D
10-22-92

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(26-28' [redacted]

EMC34

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: VOKTU02

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: not dec. 3 Date Analyzed: 10/28/92

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B u 12-3-92
67-64-1	Acetone	12	B u
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	15	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

db

MWZA (4-6')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11-10-92

EMA13

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) SOIL Lab Sample ID: 66831-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: S3458

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. 9 Date Analyzed: 11/17/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~5~~	BJU
67-64-1	Acetone	11 ~~4~~	BJU
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

CL 12-24-92

FORM I VOA 3/90

V-0016

MW2B(8-10')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11-10-92

EMA14

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) SOIL Lab Sample ID: 66831-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: S3461

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. 10 Date Analyzed: 11/17/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U	
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	11 ~~5~~	BJU	CL 12-24-92
67-64-1	Acetone	11	BJU	
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11 ~~2~~	BJU	CL 12-24-92
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	3	J	
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

FORM I VOA 3/90

V-0030

M W2B-DP Duplicate (8-10')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA17

11-10-92

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) SOIL Lab Sample ID: 66831-5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: S3464

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. 6 Date Analyzed: 11/17/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~5~~	BJU
67-64-1	Acetone	11 ~~5~~	BJU
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

CL 11-24-92

FORM I VOA 3/90

db

V-0074

MW2C (12-14')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 11-10-92

EMA15

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) SOIL Lab Sample ID: 66831-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: S3462

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. 6 Date Analyzed: 11/17/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~4~~	BJU
67-64-1	Acetone	11 ~~5~~	BJU
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	10	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

CL 12-24-92

FORM I VOA 3/90

db

V-0045

MW2D (16-18')

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 11-10-92

EMA16

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

Matrix: (soil/water) SOIL Lab Sample ID: 66831-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: S3463

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: not dec. 6 Date Analyzed: 11/17/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U	
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	11 ~~5~~	BJU	CL 11-24-92
67-64-1	Acetone	11	B	
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11 ~~2~~	BJU	CL 11-24-92
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	78		
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

db

V-0059

LF01
10-22-92
(16-18')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC35

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU03

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	560	
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	210	J
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	71	J
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	15000	E
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	150	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

do not enter this result
see diluted sample results

db
disk

LF01

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC35

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU03

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	240	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	55	J
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-Methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	150	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	540	
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1400	
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

db

disk

LF01-DL
10-22-92
(16-18')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE [redacted]

EMC35DL
Diluted

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003DL

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU03D

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/04/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	610	DJ
111-44-4	bis(2-Chloroethyl)Ether	3700	U
95-57-8	2-Chlorophenol	3700	U
541-73-1	1,3-Dichlorobenzene	3700	U
106-46-7	1,4-Dichlorobenzene	3700	U
95-50-1	1,2-Dichlorobenzene	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700	U
106-44-5	4-Methylphenol	15000	D
621-64-7	N-Nitroso-Di-n-Propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)Methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
120-82-1	1,2,4-Trichlorobenzene	3700	U
91-20-3	Naphthalene	3700	U
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
59-50-7	4-Chloro-3-Methylphenol	3700	U
91-57-6	2-Methylnaphthalene	3700	U
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	8900	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	8900	U
131-11-3	Dimethyl Phthalate	3700	U
208-96-8	Acenaphthylene	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
99-09-2	3-Nitroaniline	8900	U
83-32-9	Acenapnthene	3700	U

db
disk

enter this result for the non-dilutedanalysis

LF01-DL

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC35DL

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003DL

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU03D

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/04/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8900	U
100-02-7	4-Nitrophenol	8900	U
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
86-73-7	Fluorene	3700	U
100-01-6	4-Nitroaniline	8900	U
534-52-1	4,6-Dinitro-2-Methylphenol	8900	U
86-30-6	N-Nitrosodiphenylamine (1)	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	3700	U
87-86-5	Pentachlorophenol	8900	U
85-01-8	Phenanthrene	3700	U
120-12-7	Anthracene	3700	U
86-74-8	Carbazole	3700	U
84-74-2	Di-n-Butylphthalate	3700	U
206-44-0	Fluoranthene	3700	U
129-00-0	Pyrene	3700	U
85-68-7	Butylbenzylphthalate	750	DJ
91-94-1	3,3'-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)Anthracene	3700	U
218-01-9	Chrysene	3700	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1800	DJ
117-84-0	Di-n-Octyl Phthalate	3700	U
205-99-2	Benzo(b)Fluoranthene	3700	U
207-08-9	Benzo(k)Fluoranthene	3700	U
50-32-8	Benzo(a)Pyrene	3700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	3700	U
53-70-3	Dibenz(a,h)Anthracene	3700	U
191-24-2	Benzo(g,h,i)Perylene	3700	U

(1) - Cannot be separated from Diphenylamine

ab

disk

1D 19245·5 LF02A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 2-4'

EMA07

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07 12-2-92

Matrix: (soil/water) SOIL Lab Sample ID: 118802

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6946

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~18~~ 11/93 2/14/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	11000	U
111-44-4	bis(2-Chloroethyl)Ether	11000	U
95-57-8	2-Chlorophenol	11000	U
541-73-1	1,3-Dichlorobenzene	11000	U
106-46-7	1,4-Dichlorobenzene	11000	U
95-50-1	1,2-Dichlorobenzene	11000	U
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-Di-n-Propylamine	11000	U
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)Methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
120-82-1	1,2,4-Trichlorobenzene	11000	U
91-20-3	Naphthalene	1400	J
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
59-50-7	4-Chloro-3-Methylphenol	11000	U
91-57-6	2-Methylnaphthalene	11000	U
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	27000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	27000	U
131-11-3	Dimethylphthalate	11000	U
208-96-8	Acenaphthylene	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U
99-09-2	3-Nitroaniline	27000	U
83-32-9	Acenaphthene	11000	U

MPS 3/12/93

db

disk

1C

19245.5 LF02A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 2-4'

EMA07

12-2-92

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118802

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6946

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~11/93 2/14/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	27000	U
100-02-7	4-Nitrophenol	27000	U
132-64-9	Dibenzofuran	11000	U
121-14-2	2,4-Dinitrotoluene	11000	U
84-66-2	Diethylphthalate	11000	U
7005-72-3	4-Chlorophenyl-phenylether	11000	U
86-73-7	Fluorene	11000	U
100-01-6	4-Nitroaniline	27000	U
534-52-1	4,6-Dinitro-2-methylphenol	27000	U
86-30-6	N-Nitrosodiphenylamine (1)	11000	U
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
87-86-5	Pentachlorophenol	27000	U
85-01-8	Phenanthrene	11000	U
120-12-7	Anthracene	11000	U
86-74-8	Carbazole	11000	U
84-74-2	Di-n-Butylphthalate	11000	U
206-44-0	Fluoranthene	11000	U
129-00-0	Pyrene	11000	U
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a)Anthracene	11000	U
218-01-9	Chrysene	11000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1500	J
117-84-0	Di-n-Octyl Phthalate	11000	U
205-99-2	Benzo(b)Fluoranthene	11000	U
207-08-9	Benzo(k)Fluoranthene	11000	U
50-32-8	Benzo(a)Pyrene	11000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	11000	U
53-70-3	Dibenz(a,h)Anthracene	11000	U
191-24-2	Benzo(g,h,i)Perylene	11000	U

WDS 3/12/93

db

disk

(1) - Cannot be separated from Diphenylamine

19245.5 LF02B 10-12

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 12-2-92

EMA08

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118803

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6949

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 16 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/12/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)Ether	12000	U
95-57-8	2-Chlorophenol	12000	U
541-73-1	1,3-Dichlorobenzene	12000	U
106-46-7	1,4-Dichlorobenzene	12000	U
95-50-1	1,2-Dichlorobenzene	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
106-44-5	4-Methylphenol	12000	U
621-64-7	N-Nitroso-Di-n-Propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)Methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
120-82-1	1,2,4-Trichlorobenzene	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
59-50-7	4-Chloro-3-Methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	30000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	30000	U
131-11-3	Dimethylphthalate	12000	U
208-96-8	Acenaphthylene	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
99-09-2	3-Nitroaniline	30000	U
83-32-9	Acenaphthene	12000	U

WDS 2/14/93

db

disk

LF02B
10-12
12-2-92

19245.5

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA08

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118803

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6949

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 16 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/12/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	30000	U J
100-02-7	4-Nitrophenol	30000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
7005-72-3	4-Chlorophenyl-phenylether	12000	U
86-73-7	Fluorene	12000	U
100-01-6	4-Nitroaniline	30000	U
534-52-1	4,6-Dinitro-2-methylphenol	30000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
87-86-5	Pentachlorophenol	30000	U
85-01-8	Phenanthrene	12000	U
120-12-7	Anthracene	12000	U
86-74-8	Carbazole	12000	U
84-74-2	Di-n-Butylphthalate	12000	U
206-44-0	Fluoranthene	12000	U
129-00-0	Pyrene	12000	U
85-68-7	Butylbenzylphthalate	2300	J
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)Anthracene	12000	U
218-01-9	Chrysene	12000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3300	J
117-84-0	Di-n-Octyl Phthalate	12000	U
205-99-2	Benzo(b)Fluoranthene	12000	U
207-08-9	Benzo(k)Fluoranthene	12000	U
50-32-8	Benzo(a)Pyrene	12000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	12000	U
53-70-3	Dibenz(a,h)Anthracene	12000	U
191-24-2	Benzo(g,h,i)Perylene	12000	U

WDS 3/12/93

db

disk

(1) - Cannot be separated from Diphenylamine

19245.5 LF02C 20-22'

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 12-2-92

EMA09

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118805

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6940

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~11/93 2-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U J
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
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	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
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

WDS 3/2/93

db

disk

19245.5 LF02C 20-22

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92
EMA09

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118805

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6940

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~11/93 2-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U J
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	100	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)Phthalate	50	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	170	J
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	86	J
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

WDS 3/12/93

db disk

(1) - Cannot be separated from Diphenylamine

19245.5 LF03A 2-4'

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA10

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118807

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6941

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~ 11/93 TO 01-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	75	J
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

WDS 3/12/93

db

disk

19245.5

LF03A 2-4

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA10

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118807

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6941

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~11/93 TO 01-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U J
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	62	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	73	J
129-00-0	Pyrene	70	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	54	J
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

WPS 3/12/93

db

disk

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 3/90

19245.5 LF03B 20-22

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-4-92
EMA11

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118809

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6950

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 21 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/12/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	U J
111-44-4	bis(2-Chloroethyl)Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,4-Dichlorobenzene	13000	U
95-50-1	1,2-Dichlorobenzene	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
111-91-1	bis(2-Chloroethoxy)Methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
120-82-1	1,2,4-Trichlorobenzene	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
59-50-7	4-Chloro-3-Methylphenol	4100	J
91-57-6	2-Methylnaphthalene	2400	J
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	32000	U
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	32000	U
131-11-3	Dimethylphthalate	13000	U
208-96-8	Acenaphthylene	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U
99-09-2	3-Nitroaniline	32000	U
83-32-9	Acenaphthene	13000	U

WDS 3/12/93

db

disk

LF03B 20-22!

19245.5

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-4-92

EMA11

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118809

Sample wt/vol: 1.00 (g/mL) G Lab File ID: A6950

Level: (low/med) MED Date Received: 12/11/92

% Moisture: 21 decanted: (Y/N) N Date Extracted: 12/19/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/12/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	32000	U
100-02-7	4-Nitrophenol	32000	U
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	U
84-66-2	Diethylphthalate	13000	U
7005-72-3	4-Chlorophenyl-phenylether	13000	U
86-73-7	Fluorene	13000	U
100-01-6	4-Nitroaniline	32000	U
534-52-1	4,6-Dinitro-2-methylphenol	32000	U
86-30-6	N-Nitrosodiphenylamine (1)	13000	U
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
87-86-5	Pentachlorophenol	32000	U
85-01-8	Phenanthrene	13000	U
120-12-7	Anthracene	13000	U
86-74-8	Carbazole	13000	U
84-74-2	Di-n-Butylphthalate	13000	U
206-44-0	Fluoranthene	13000	U
129-00-0	Pyrene	13000	U
85-68-7	Butylbenzylphthalate	1900	J
91-94-1	3,3'-Dichlorobenzidine	13000	U
56-55-3	Benzo(a)Anthracene	13000	U
218-01-9	Chrysene	13000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2000	J
117-84-0	Di-n-Octyl Phthalate	13000	U
205-99-2	Benzo(b)Fluoranthene	13000	U
207-08-9	Benzo(k)Fluoranthene	13000	U
50-32-8	Benzo(a)Pyrene	13000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	13000	U
53-70-3	Dibenz(a,h)Anthracene	13000	U
191-24-2	Benzo(g,h,i)Perylene	13000	U

WDS 7/14/93

db

(1) - Cannot be separated from Diphenylamine

disk

FORM I SV-2 3/90

19245.5 LF03C 34-36'

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 12-4-92

EMA32

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118811

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6942

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/16/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~10~~11/93 01-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U J
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U J
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	370	U

db

disk

LF03C 34-36

19245.5

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

12-4-92

EMA32

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118811

Sample wt/vol: 30.00 (g/mL) G Lab File ID: A6942

Level: (low/med) LOW Date Received: 12/11/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 12/16/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/~~12~~11/93 01-14-93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	120	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	160	J
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	38	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

db

disk

FORM I SV-2 3/90

MW01A
10-22-92
(2-4')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC49

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU009

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU09

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethyl Phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	380	U

db

disk

MW4A

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

EMC49

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU009

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU09

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-Methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

db
disk

MW1B
10-22-92
(10-12')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE [redacted]

EMC38

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU06

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 5 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	350	U

db

disk

MW1B

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE [redacted]

EMC38

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU006

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU06

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 5 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-Methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

db

disk

MWC
10-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(18-20)

EMC37

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU005

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU05

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 5 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	350	U

db

disk

MW1C
10-22-92
(18-20')

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC37

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU005

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU05

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 5 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-Methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

db

disk

020207

MWD
10-22-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE (26-28') [redacted]

EMC34

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU002

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU02

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethyl Phthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	340	U

db

disk

MWD

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMC34

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU002

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SVKTU02

Level: (low/med) LOW Date Received: 10/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 10/28/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/03/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-Methylphenol	820	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)Anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)Phthalate	32	J
117-84-0	Di-n-Octyl Phthalate	340	U
205-99-2	Benzo(b)Fluoranthene	340	U
207-08-9	Benzo(k)Fluoranthene	340	U
50-32-8	Benzo(a)Pyrene	340	U
193-39-5	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3	Dibenz(a,h)Anthracene	340	U
191-24-2	Benzo(g,h,i)Perylene	340	U

(1) - Cannot be separated from Diphenylamine

db

disk

020013

MW2A(4-6')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA13

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683101

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-chloropropane	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	360	U

WOS 1/27/93

db

disk

S-0008

MW2A(4-6')

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA13

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683101

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 9 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-Methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360 ~~88~~	BJU
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

WDS 1/27/93

12-28-92 CL

(1) - Cannot be separated from Diphenylamine

ab

FORM I SV-2 3/90 disk

S-0009

MW2B (8-10')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA14

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683102

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U J
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-chloropropane	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

WDS 1/27/93

db

FORM I SV-1 3/90

disk

S-0028

MW2B (8-10')

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA14

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683102

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-Methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370 ~~190~~	BJU
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

WDS 4/27/93

CL 12-28-92

(1) - Cannot be separated from Diphenylamine

db

FORM I SV-2 3/90

disk

S-0029

MW2B-DP (8-10')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA17

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 Duplicate

Matrix: (soil/water) SOIL Lab Sample ID: 66831-5 11-10-92

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683105

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U J
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-chloropropane	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	350	U

WDS 1/27/93

db

disk

S-0084

MW2B-DP (8-10')

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA17

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 Duplicat

Matrix: (soil/water) SOIL Lab Sample ID: 66831-5 11-10-92

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683105

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	850	U J	WDS 12/7/93
100-02-7	4-Nitrophenol	850	U	
132-64-9	Dibenzofuran	350	U	
121-14-2	2,4-Dinitrotoluene	350	U	
84-66-2	Diethylphthalate	350	U	
7005-72-3	4-Chlorophenyl-phenylether	350	U	
86-73-7	Fluorene	350	U	
100-01-6	4-Nitroaniline	850	U	
534-52-1	4,6-Dinitro-2-Methylphenol	850	U	
86-30-6	N-Nitrosodiphenylamine (1)	350	U	
101-55-3	4-Bromophenyl-phenylether	350	U	
118-74-1	Hexachlorobenzene	350	U	
87-86-5	Pentachlorophenol	850	U	
85-01-8	Phenanthrene	350	U	
120-12-7	Anthracene	350	U	
86-74-8	Carbazole	350	U	CL 12-28-92
84-74-2	Di-n-Butylphthalate	350 ~~110~~	BJU	
206-44-0	Fluoranthene	350	U	
129-00-0	Pyrene	350	U	
85-68-7	Butylbenzylphthalate	350	U	
91-94-1	3,3'-Dichlorobenzidine	350	U	
56-55-3	Benzo(a)Anthracene	350	U	
218-01-9	Chrysene	350	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U	
117-84-0	Di-n-Octyl Phthalate	350	U	
205-99-2	Benzo(b)Fluoranthene	350	U	
207-08-9	Benzo(k)Fluoranthene	350	U	
50-32-8	Benzo(a)Pyrene	350	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U	
53-70-3	Dibenz(a,h)Anthracene	350	U	
191-24-2	Benzo(g,h,i)Perylene	350	U	

db

(1) - Cannot be separated from Diphenylamine

disk

S-0085

MW2C (12-14')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA15

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683103

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-chloropropane	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	350	U

WDS 12/21/93

db

S-0048 disk

MW2C (12-14')

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA15

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683103

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-Methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350 ~~200~~	BJU
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

WDS 1/27/93

12-28-92 CL

db

disk

S-0049

MW2D (16-18')

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA16

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683104

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U J
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-chloropropane	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U
83-32-9	Acenaphthene	350	U

WDS 1/23/93

db

disk

S-0066

MW2D(16-18')

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA16

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6683104

Level: (low/med) LOW Date Received: 11/12/92

% Moisture: 6 decanted: (Y/N) N Date Extracted: 12/01/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	850	U J
100-02-7	4-Nitrophenol	850	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	850	U
534-52-1	4,6-Dinitro-2-Methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350 ~~51~~	BJ
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

WDS 1/27/93

CL 12-28-92

(1) - Cannot be separated from Diphenylamine

db

FORM I SV-2 3/90 disk

S-0067

LF01
12-16-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0020011

EMA54

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80114301

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80114301

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/14/93

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20.	J
111-44-4	bis(2-Chloroethyl)ether	200.	U
95-57-8	2-Chlorophenol	200.	U
541-73-1	1,3-Dichlorobenzene	200.	U
106-46-7	1,4-Dichlorobenzene	200.	U
95-50-1	1,2-Dichlorobenzene	200.	U
95-48-7	2-Methylphenol	200.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200.	U
106-44-5	4-Methylphenol	400.	
621-64-7	N-Nitroso-di-n-propylamine	200.	U
67-72-1	Hexachloroethane	200.	U
98-95-3	Nitrobenzene	200.	U
78-59-1	Isophorone	200.	U
88-75-5	2-Nitrophenol	200.	U
105-67-9	2,4-Dimethylphenol	200.	U
111-91-1	bis(2-Chloroethoxy)methane	200.	U
120-83-2	2,4-Dichlorophenol	200.	U
120-82-1	1,2,4-Trichlorobenzene	200.	U
91-20-3	Naphthalene	38.	J
106-47-8	4-Chloroaniline	200.	U
87-68-3	Hexachlorobutadiene	200.	U
59-50-7	4-Chloro-3-methylphenol	200.	UJ
91-57-6	2-Methylnaphthalene	32.	J
77-47-4	Hexachlorocyclopentadiene	200.	U
88-06-2	2,4,6-Trichlorophenol	200.	U
95-95-4	2,4,5-Trichlorophenol	500.	U
91-58-7	2-Chloronaphthalene	200.	U
88-74-4	2-Nitroaniline	500.	U
131-11-3	Dimethylphthalate	200.	U
208-96-8	Acenaphthylene	200.	U
606-20-2	2,6-Dinitrotoluene	200.	U
99-09-2	3-Nitroaniline	500.	U
83-32-9	Acenaphthene	200.	U

WDS 2/24/93

ab

disk

LF01 12-16-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0020012

EMA54

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80114301

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80114301

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/14/93

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	500.	U	
100-02-7	4-Nitrophenol	500.	U J	WDS 2/24/93
132-64-9	Dibenzofuran	200.	U	
121-14-2	2,4-Dinitrotoluene	200.	U J	WDS 2/24/93
84-66-2	Diethylphthalate	21.	J	
7005-72-3	4-Chlorophenyl-phenylether	200.	U	
86-73-7	Fluorene	200.	U	
100-01-6	4-Nitroaniline	500.	U	
534-52-1	4,6-Dinitro-2-methylphenol	500.	U	
86-30-6	N-Nitrosodiphenylamine (1)	200.	U	
101-55-3	4-Bromophenyl-phenylether	200.	U	
118-74-1	Hexachlorobenzene	200.	U	
87-86-5	Pentachlorophenol	500.	U J	WDS 2/24/93
85-01-8	Phenanthrene	200.	U	
120-12-7	Anthracene	200.	U	
86-74-8	Carbazole	200.	U	
84-74-2	Di-n-butylphthalate	200.	U	
206-44-0	Fluoranthene	200.	U	
129-00-0	Pyrene	200.	U	
85-68-7	Butylbenzylphthalate	200.	U	
91-94-1	3,3'-Dichlorobenzidine	200.	U	
56-55-3	Benzo(a)anthracene	11.	J	
218-01-9	Chrysene	200.	U	
117-81-7	bis(2-Ethylhexyl)phthalate	200.	U	
117-84-0	Di-n-octylphthalate	200.	U	
205-99-2	Benzo(b)fluoranthene	14.	J	
207-08-9	Benzo(k)fluoranthene	200.	U	
50-32-8	Benzo(a)pyrene	200.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	200.	U	
53-70-3	Dibenz(a,h)anthracene	200.	U	
191-24-2	Benzo(g,h,i)perylene	200.	U	

(1) - Cannot be separated from Diphenylamine

disk

LF01- DP
Duplicate 12-16-92

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0020075

EMA55

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80114302

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80114302

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/14/93

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	21.	J
111-44-4	bis(2-Chloroethyl)ether	200.	U
95-57-8	2-Chlorophenol	200.	U
541-73-1	1,3-Dichlorobenzene	200.	U
106-46-7	1,4-Dichlorobenzene	200.	U
95-50-1	1,2-Dichlorobenzene	200.	U
95-48-7	2-Methylphenol	200.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200.	U
106-44-5	4-Methylphenol	400.	
621-64-7	N-Nitroso-di-n-propylamine	200.	U
67-72-1	Hexachloroethane	200.	U
98-95-3	Nitrobenzene	200.	U
78-59-1	Isophorone	200.	U
88-75-5	2-Nitrophenol	200.	U
105-67-9	2,4-Dimethylphenol	200.	U
111-91-1	bis(2-Chloroethoxy)methane	200.	U
120-83-2	2,4-Dichlorophenol	200.	U
120-82-1	1,2,4-Trichlorobenzene	200.	U
91-20-3	Naphthalene	38.	J
106-47-8	4-Chloroaniline	200.	U
87-68-3	Hexachlorobutadiene	200.	U
59-50-7	4-Chloro-3-methylphenol	200.	U
91-57-6	2-Methylnaphthalene	32.	J
77-47-4	Hexachlorocyclopentadiene	200.	U
88-06-2	2,4,6-Trichlorophenol	200.	U
95-95-4	2,4,5-Trichlorophenol	500.	U
91-58-7	2-Chloronaphthalene	200.	U
88-74-4	2-Nitroaniline	500.	U
131-11-3	Dimethylphthalate	200.	U
208-96-8	Acenaphthylene	200.	U
606-20-2	2,6-Dinitrotoluene	200.	U
99-09-2	3-Nitroaniline	500.	U
83-32-9	Acenaphthene	200.	U

disk

db

LF01-DP 12-16-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 0020076

EMA55

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80114302

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80114302

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/14/93

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	500.	U
100-02-7	4-Nitrophenol	500.	U
132-64-9	Dibenzofuran	200.	U
121-14-2	2,4-Dinitrotoluene	200.	U
84-66-2	Diethylphthalate	18.	J
7005-72-3	4-Chlorophenyl-phenylether	200.	U
86-73-7	Fluorene	200.	U
100-01-6	4-Nitroaniline	500.	U
534-52-1	4,6-Dinitro-2-methylphenol	500.	U
86-30-6	N-Nitrosodiphenylamine (1)	200.	U
101-55-3	4-Bromophenyl-phenylether	200.	U
118-74-1	Hexachlorobenzene	200.	U
87-86-5	Pentachlorophenol	500.	U
85-01-8	Phenanthrene	200.	U
120-12-7	Anthracene	200.	U
86-74-8	Carbazole	200.	U
84-74-2	Di-n-butylphthalate	11.	J
206-44-0	Fluoranthene	200.	U
129-00-0	Pyrene	200.	U
85-68-7	Butylbenzylphthalate	200.	U
91-94-1	3,3'-Dichlorobenzidine	200.	U
56-55-3	Benzo(a)anthracene	200.	U
218-01-9	Chrysene	200.	U
117-81-7	bis(2-Ethylhexyl)phthalate	200.	U
117-84-0	Di-n-octylphthalate	200.	U
205-99-2	Benzo(b)fluoranthene	200.	U
207-08-9	Benzo(k)fluoranthene	200.	U
50-32-8	Benzo(a)pyrene	200.	U
193-39-5	Indeno(1,2,3-cd)pyrene	200.	U
53-70-3	Dibenz(a,h)anthracene	200.	U
191-24-2	Benzo(g,h,i)perylene	200.	U

(1) - Cannot be separated from Diphenylamine

disk

db

LF01-FB
12-16-92 Field Blank

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0020140
EMA56

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80112302

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80112302

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/12/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

disks

db

LF01-FB
12-16-92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0020141

EMA56

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.:19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water) WATER Lab Sample ID:80112302

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: 80112302

Level: (low/med) LOW Date Received:12/17/92

% Moisture: decanted: (Y/N) Date Extracted:12/17/92

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/12/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

db

LF01
10-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(16-18)
EMC35

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU003

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

% Moisture: 10 decanted: (Y/N) N Date Received: 10/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/13/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	7.7	P
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	7.2	P
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	32	P
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

DISK

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030011

19245.5
LF02A 2-4
12-2-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
EMA07

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118801

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

% Moisture: 8 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/08/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U J
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	5.6	P
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	16	P
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U J
72-43-5	Methoxychlor	18	U J
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	3.1	P
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	90	P
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	89	P
11096-82-5	Aroclor-1260	36	U

WPS 3/12/93

FORM I PEST 3/90

disk
db

19245.5 LFORB 10-12'

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92
EMA08

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118803

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

% Moisture: 16 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/10/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	3.3	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.5	J
72-55-9	4,4'-DDE	9.9	J
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	22	J
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	UJ
72-43-5	Methoxychlor	20	UJ
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	8.6	PJ
5103-74-2	gamma-Chlordane	15	J
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	210	
11096-82-5	Aroclor-1260	39	U

disk a b

19245.5 LF02C 20-22'

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92

EMA09

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118805

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

% Moisture: 15 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/08/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	9.2	J
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	14	J
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	UJ
72-43-5	Methoxychlor	20	UJ
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

db

disk

19245.5
LF03A 2-4'

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
12-2-92
EMA10

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118807

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

% Moisture: 8 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/08/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.1	J
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	UJ
72-43-5	Methoxychlor	18	UJ
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

db
disk

FORM I PEST 3/90

LF03B
19245.5 20-22'

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA11

12-4-92

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118809

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

% Moisture: 21 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/09/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.21	U J
319-85-7	beta-BHC	2.21	U
319-86-8	delta-BHC	2.21	U
58-89-9	gamma-BHC (Lindane)	2.21	U
76-44-8	Heptachlor	2.21	U
309-00-2	Aldrin	2.21	U
1024-57-3	Heptachlor epoxide	2.21	U
959-98-8	Endosulfan I	12	P
60-57-1	Dieldrin	4.21	U
72-55-9	4,4'-DDE	4.21	U
72-20-8	Endrin	4.21	U
33213-65-9	Endosulfan II	6.81	P
72-54-8	4,4'-DDD	12	P
1031-07-8	Endosulfan sulfate	4.21	U
50-29-3	4,4'-DDT	4.21	U J
72-43-5	Methoxychlor	22	U J
53494-70-5	Endrin ketone	4.21	U
7421-93-4	Endrin aldehyde	4.21	U
5103-71-9	alpha-Chlordane	2.21	U
5103-74-2	gamma-Chlordane	2.21	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

MPS 3/2/93

db

disk

FORM I PEST 3/90

19245·5

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
LF03C 34-36

EMA32

12-4-92

Lab Name: CLAYTON NOVI Contract: 68-D1-0087

Lab Code: CLAYTN Case No.: 19245 SAS No.: _____ SDG No.: EMA07

Matrix: (soil/water) SOIL Lab Sample ID: 118811

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

% Moisture: 12 decanted: (Y/N) N Date Received: 12/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/16/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 01/09/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	UJ
72-43-5	Methoxychlor	19	UJ
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

db

700

MW01A
10-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(2-4')
EMC39
04m 11/30/92

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU009

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

% Moisture: 13 decanted: (Y/N) N Date Received: 10/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/14/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

db

MW01B
10-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(10-12') [redacted]
EMC38

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU006

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

% Moisture: 5 decanted: (Y/N) N Date Received: 10/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/14/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 9.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

db

MWAC
10-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(18-20')
EMC37

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU005

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

% Moisture: 5 decanted: (Y/N) N Date Received: 10/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/14/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

disk

030035

MWdD
10-22-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
126-28[redacted]
EMC34

Lab Name: G S E L I Contract: 68-D0-0160

Lab Code: GULF Case No.: 18937 SAS No.: _____ SDG No.: EMC33

Matrix: (soil/water) SOIL Lab Sample ID: KTU002

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

% Moisture: 3 decanted: (Y/N) N Date Received: 10/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/13/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

db

030005

MW2A (4-6')

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA13

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-1RA

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

db

P-0006

MW2B (8-10')

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA14

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-2

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

% Moisture: 10 decanted: (Y/N) N Date Received: 11/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

db

disk

P-0012

MW2B-DP (8-10')-R1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Duplicate - Reanly
EMA17RE

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-5RE

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

% Moisture: 6 decanted: (Y/N) N Date Received: 11/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/07/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U J
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

WDS 1/27/93

db

FORM I PEST 3/90

disk

P-0036

MW2C (12-14')

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA15

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13

11-10-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-3

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

% Moisture: 6 decanted: (Y/N) N Date Received: 11/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

db

disk

P-0018

MW2D(16-18')

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EMA16

Lab Name: ENSECO Contract: 68-D0-0162

Lab Code: ECAL Case No.: 19074 SAS No.: SDG No.: EMA13 11-16-92

Matrix: (soil/water) SOIL Lab Sample ID: 66831-4

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

% Moisture: 6 decanted: (Y/N) N Date Received: 11/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/92

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

db

disk

P-0024

LF01
12-16-92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0030004
EMA54

Lab Name: SWRI Contract: 68D10088

Lab Code: SWRI Case No. 19266 SAS No.: SDG No.: EMA54

Matrix: (soil/water) WATER Lab Sample ID: EMA54

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 1/11/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U J
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.015	J
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

WDS 2/2

FORM I PEST 3/90

db

disk

LFC1-DP
12-16-92 Duplica

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0030014

EMA55

Lab Name:SWRI Contract:68D10088

Lab Code:SWRI Case No.19266 SAS No.: SDG No.:EMA54

Matrix: (soil/water)WATER Lab Sample ID: EMA55

Sample wt/vol: 1000 (g/ml)ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc)CONT Date Extracted:12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 1/11/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)N pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/L	Q
319-84-6------	alpha-BHC	0.05	U J
319-85-7------	beta-BHC	0.05	U
319-86-8------	delta-BHC	0.05	U
58-89-9-------	gamma-BHC(Lindane)	0.032	JP
76-44-8-------	Heptachlor	0.05	U
309-00-2------	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.013	J
959-98-8------	Endosulfan I	0.05	U
60-57-1-------	Dieldrin	0.10	U
72-55-9-------	4,4'-DDE	0.10	U
72-20-8-------	Endrin	0.10	U
33213-65-9----	Endosulfan II	0.10	U
72-54-8-------	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-------	4,4'-DDT	0.10	U
72-43-5-------	Methoxychlor	0.50	U
53494-70-5----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.05	U
5103-74-2-----	gamma-Chlordane	0.05	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2----	Aroclor-1016	1.0	U
11104-28-2----	Aroclor-1221	2.0	U
11141-16-5----	Aroclor-1232	1.0	U
53469-21-9----	Aroclor-1242	1.0	U
12672-29-6----	Aroclor-1248	1.0	U
11097-69-1----	Aroclor-1254	1.0	U
11096-82-5----	Aroclor-1260	1.0	U

db

disk

LF01-FB
Field Blank

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0030023
EMA56

Lab Name: SWRI Contract: 68D10088

Lab Code: SWRI Case No. 19266 SAS No.: SDG No.: EMA54 12-16-93

Matrix: (soil/water) WATER Lab Sample ID: EMA56

Sample wt/vol: 1000 (g/ml) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/17/92

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 12/17/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 1/11/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

disk db