SDMS DocID 2198335

ORIGINAL
(Red)

Level III Site Inspection
for
Hoffman Landfill

Allegany County, Maryland

(MD-4)

Volume II

September 1992

Prepared By: Maryland Department of the Environment
Hazardous and Solid Waste Management Administration
2500 Broening Highway
Baltimore, Maryland 21224

Prepared For: U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

ORIGINAL (Red)

Attachment III

ORIGINAL
(Red)

Appendix B

Data Summary Forms

Appendix C

Results as Reported by the Laboratory
for all Target Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red) EPA SAMPLE NO.

CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099425A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	22	B
67-64-1	Acetone	15	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099435B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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	1	BJ
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099436B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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	3	BJ
67-64-1	Acetone	15	B
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	4	J
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099437A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	4	BJ
67-64-1	Acetone	9	BJ
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099439C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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	6	BJ
67-64-1	Acetone	12	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099440A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	6	BJ
67-64-1	Acetone	15	B
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	4	J
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099441A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	2	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	11	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099442A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	5	BJ
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	1	J
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099444A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	5	BJ
67-64-1	Acetone	12	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099445A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	10	B
67-64-1	Acetone	17	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099447B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	3	BJ
67-64-1	Acetone	11	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099449C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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	5	BJ
67-64-1	Acetone	9	BJ
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099452B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 19 Date Analyzed: 06/24/92

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/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	30	B
67-64-1	Acetone	20	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	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	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)	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083 ORIGINAL (Red)

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099459B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 17 Date Analyzed: 06/24/92

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/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	78	B
67-64-1	Acetone	32	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	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	12	U
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY30

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099463B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 40 Date Analyzed: 06/24/92

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/KG	Q
74-87-3	Chloromethane	17	U
74-83-9	Bromomethane	17	U
75-01-4	Vinyl Chloride	17	U
75-00-3	Chloroethane	17	U
75-09-2	Methylene Chloride	84	B
67-64-1	Acetone	42	B
75-15-0	Carbon Disulfide	17	U
75-35-4	1,1-Dichloroethene	17	U
75-34-3	1,1-Dichloroethane	17	U
540-59-0	1,2-Dichloroethene (total)	17	U
67-66-3	Chloroform	17	U
107-06-2	1,2-Dichloroethane	17	U
78-93-3	2-Butanone	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon Tetrachloride	17	U
75-27-4	Bromodichloromethane	17	U
78-87-5	1,2-Dichloropropane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
79-01-6	Trichloroethene	17	U
124-48-1	Dibromochloromethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
71-43-2	Benzene	17	U
10061-02-6	Trans-1,3-Dichloropropene	17	U
75-25-2	Bromoform	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
591-78-6	2-Hexanone	17	U
127-18-4	Tetrachloroethene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
108-88-3	Toluene	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
1330-20-7	Xylene (total)	17	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099464B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 23 Date Analyzed: 06/24/92

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/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	100	B
67-64-1	Acetone	110	B
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	Trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY32 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099465A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

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/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
67-64-1	Acetone	23	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	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	12	U
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099466A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 11 Date Analyzed: 06/25/92

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/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	31	B
67-64-1	Acetone	23	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	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	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY34 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099467B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 13 Date Analyzed: 06/24/92

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/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	48	B
67-64-1	Acetone	27	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	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	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: CKY35

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099468B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 3 Date Analyzed: 06/25/92

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/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	87	B
67-64-1	Acetone	27	B
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099470A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 10 Date Analyzed: 06/25/92

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/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	43	B
67-64-1	Acetone	62	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	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	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099471B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 8 Date Analyzed: 06/25/92

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/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	33	B
67-64-1	Acetone	21	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	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	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY38 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099473C54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 12 Date Analyzed: 06/25/92

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/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	98	B
67-64-1	Acetone	35	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	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	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	2	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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

SAMPLE DATA PACKAGE

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY15 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	2	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16 (ORIGINAL (Red))

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY17 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	3	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY18 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY19 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	2	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY20 ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	6	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	BJ
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

ORIGINAL (Red)

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	6	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY23

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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
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	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY24 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	3	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)
CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY26 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

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	2	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY28 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY29 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
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	92	J
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	Dimethyl Phthalate	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

SAMPLE DATA PACKAGE

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
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	130	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	120	J
129-00-0	Pyrene	85	J
85-68-7	Butylbenzylphthalate	46	BJ
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	110	J
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)Phthalate	93	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	250	JX
207-08-9	Benzo(k)Fluoranthene	250	JX
50-32-8	Benzo(a)Pyrene	120	J
193-39-5	Indeno(1,2,3-cd)Pyrene	64	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	550	U
111-44-4	bis(2-Chloroethyl)Ether	550	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	550	U
106-46-7	1,4-Dichlorobenzene	550	U
95-50-1	1,2-Dichlorobenzene	550	U
95-48-7	2-Methylphenol	550	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	550	U
106-44-5	4-Methylphenol	62	J
621-64-7	N-Nitroso-Di-n-Propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	bis(2-Chloroethoxy)Methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
120-82-1	1,2,4-Trichlorobenzene	550	U
91-20-3	Naphthalene	550	U
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
59-50-7	4-Chloro-3-Methylphenol	550	U
91-57-6	2-Methylnaphthalene	550	U
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl Phthalate	550	U
208-96-8	Acenaphthylene	550	U
606-20-2	2,6-Dinitrotoluene	550	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	550	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
86-73-7	Fluorene	550	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-Methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	56	J
120-12-7	Anthracene	550	U
86-74-8	Carbazole	550	U
84-74-2	Di-n-Butylphthalate	550	U
206-44-0	Fluoranthene	550	U
129-00-0	Pyrene	550	U
85-68-7	Butylbenzylphthalate	240	BJ
91-94-1	3,3'-Dichlorobenzidine	550	U
56-55-3	Benzo(a)Anthracene	550	U
218-01-9	Chrysene	550	U
117-81-7	bis(2-Ethylhexyl)Phthalate	550	U
117-84-0	Di-n-Octyl Phthalate	550	U
205-99-2	Benzo(b)Fluoranthene	550	U
207-08-9	Benzo(k)Fluoranthene	550	U
50-32-8	Benzo(a)Pyrene	550	U
193-39-5	Indeno(1,2,3-cd)Pyrene	550	U
53-70-3	Dibenz(a,h)Anthracene	550	U
191-24-2	Benzo(g,h,i)Perylene	550	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY31 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	U
53-70-3	Dibenz(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	180	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY33 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

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
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	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	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	900	U
83-32-9	Acenaphthene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	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	900	U
534-52-1	4,6-Dinitro-2-Methylphenol	900	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	900	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	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY34 ORIGINAL (Red)

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

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	39	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
(ORIGINAL)
CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red) EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

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	47	J
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	340	U
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY36 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	U
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

(1) - Cannot be separated from Diphenylamine

SAMPLE DATA PACKAGE

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
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	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	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	870	U
83-32-9	Acenaphthene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
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	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	130	BJ
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

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	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	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	930	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	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	930	U
534-52-1	4,6-Dinitro-2-Methylphenol	930	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	930	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	61	J
129-00-0	Pyrene	55	J
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	61	JX
207-08-9	Benzo(k)Fluoranthene	61	JX
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY14 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Rev.) EPA SAMPLE NO.

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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	0.0039	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY18 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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)	0.0039	JP
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

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

CAS NO.	COMPOUND		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	0.0099	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red.)

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

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

CAS NO.	COMPOUND		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

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY25 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

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

18347 CKY 14

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/01/92

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	0.0082	J
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.019	JP
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

18347 CKY 14

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY28 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	0.17	JP
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	0.20	JP
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.18	JP
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.6 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)	0.079	JP
76-44-8	Heptachlor	0.35	JP
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	0.072	JP
72-55-9	4,4'-DDE	0.64	JP
72-20-8	Endrin	0.47	JP
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	0.15	JP
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	0.32	JPB
53494-70-5	Endrin ketone	0.31	JP
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	0.36	JP
5103-74-2	gamma-Chlordane	0.46	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY30

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

ORIGINAL (Red)

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 40 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	0.48	JP
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.5	U
72-55-9	4,4'-DDE	0.39	JP
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	5.5	U
1031-07-8	Endosulfan sulfate	5.5	U
50-29-3	4,4'-DDT	5.5	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	5.5	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	55	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	55	U
53469-21-9	Aroclor-1242	55	U
12672-29-6	Aroclor-1248	55	U
11097-69-1	Aroclor-1254	55	U
11096-82-5	Aroclor-1260	55	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (RED) EPA SAMPLE NO.

CKY31

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.25	JP
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	0.38	J
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	0.51	JP
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	0.15	JP
72-43-5	Methoxychlor	0.92	JPB
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	0.16	JP
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	0.25	JP
76-44-8	Heptachlor	0.13	JP
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	0.20	JP
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	0.16	JP
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.66	JP
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	0.072	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 11 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.25	JP
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	0.16	JP
76-44-8	Heptachlor	0.065	JP
309-00-2	Aldrin	0.65	J
1024-57-3	Heptachlor epoxide	0.18	JP
959-98-8	Endosulfan I	0.13	JP
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	0.075	JP
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	0.096	JP
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	0.39	JB
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	0.41	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 13 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 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)	0.13	JP
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	0.58	JP
1024-57-3	Heptachlor epoxide	0.30	JP
959-98-8	Endosulfan I	0.40	J
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	0.59	JP
33213-65-9	Endosulfan II	0.31	JP
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	0.46	JPB
53494-70-5	Endrin ketone	0.15	JP
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	0.55	JP
5103-74-2	gamma-Chlordane	0.67	JP
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

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 3 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.100	J
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.41	JP
76-44-8	Heptachlor	0.050	JP
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	0.10	JP
959-98-8	Endosulfan I	0.30	JP
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	0.27	JP
33213-65-9	Endosulfan II	0.22	JP
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	9.4	JPB
53494-70-5	Endrin ketone	0.47	J
7421-93-4	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	0.39	JP
5103-74-2	gamma-Chlordane	0.41	J
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	0.37	JP
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	0.97	J
72-20-8	Endrin	0.51	JP
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	1.2	JP
72-43-5	Methoxychlor	0.99	JPB
53494-70-5	Endrin ketone	0.17	JP
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	0.45	JP
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 8 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.12	JP
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	3.6	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	18	U
53494-70-5	Endrin ketone	0.12	J
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL
(Red)
CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 12 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.7 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	0.094	JP
309-00-2	Aldrin	0.37	JP
1024-57-3	Heptachlor epoxide	0.26	JP
959-98-8	Endosulfan I	0.34	J
60-57-1	Dieldrin	0.33	JP
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	0.56	JP
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	0.67	JPB
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	0.48	JP
5103-74-2	gamma-Chlordane	0.51	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	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

ORIGINAL
(Red)

Appendix D

Reviewed and Corrected
Tentatively Identified Compounds

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY14

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099425A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY15

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099435B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY16

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099436B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY17

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099437A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099439C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

DATA SUMMARY FORM: PESTICIDES AND PCB'S

ite Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

ase #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

	Sample No.	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1		GW1		GW2		GW3		GW4		GW5		GW6		SW1		SW2	
		Field Blank				Field Dup. of CKY19						Field Dup. of CKY16							
CRQL	COMPOUND																		
0.05	alpha-BHC																		
0.05	beta-BHC																		
0.05	delta-BHC																		
0.05	*gamma-BHC (Lindane)									0.0039	J			0.0099	J				
0.05	*Heptachlor																		
0.05	Aldrin																		
0.05	Heptachlor Epoxide																		
0.05	Endosulfan I																		
0.10	Dieldrin																		
0.10	4,4'-DDE																		
0.10	*Endrin																		
0.10	Endosulfan II																		
0.10	4,4'-DDD																		
0.10	Endosulfan Sulfate																		
0.10	4,4'-DDT																		
0.50	*Methoxychlor																		
0.10	Endrin Ketone																		
0.50	*alpha-Chlordane																		
0.50	*gamma-Chlordane																		
1.0	*Toxaphene																		
0.50	*Aroclor-1016																		
0.50	*Aroclor-1221																		
0.50	*Aroclor-1232																		
0.50	*Aroclor-1242																		
0.50	*Aroclor-1248																		
1.0	*Aroclor-1254																		
1.0	*Aroclor-1260																		
0.10	Endrin Aldehyde																		

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/

DATA SUMMARY FORM: PESTICIDES AND PCB'S

Site Name: HOFFMAN LANDFILL

Case #: 18347 Sampling Date(s): 6/23/92

WATER SAMPLES
(µg/L)

To calculate sample quantitation limit
(CRQL * Dilution Factor

	Sample No.	CKY24	CKY25	CKY26						
	Dilution Factor	1.0	1.0	1.0						
	Location	SW3	SW4	LT1						
CRQL	COMPOUND									
0.05	alpha-BHC									
0.05	beta-BHC									
0.05	delta-BHC									
0.05	*gamma-BHC (Lindane)									
0.05	*Heptachlor									
0.05	Aldrin									
0.05	Heptachlor Epoxide									
0.05	Endosulfan I									
0.10	Dieldrin									
0.10	4,4'-DDE									
0.10	*Endrin									
0.10	Endosulfan II									
0.10	4,4'-DDD									
0.10	Endosulfan Sulfate			0.0082 J						
0.10	4,4'-DDT									
0.50	*Methoxychlor			0.019 B						
0.10	Endrin Ketone									
0.50	*alpha-Chlordane									
0.50	*gamma-Chlordane									
1.0	*Toxaphene									
0.50	*Aroclor-1016									
0.50	*Aroclor-1221									
0.50	*Aroclor-1232									
0.50	*Aroclor-1242									
0.50	*Aroclor-1248									
1.0	*Aroclor-1254									
1.0	*Aroclor-1260									
0.10	Endrin Aldehyde									

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

Action Level Exist

SEE NARRATIVE FOR CODE DEFINITIO

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099440A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY20

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099441A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099442A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099444A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099445A56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099447B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR099449C56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

ORIGINAL (Red) EPA SAMPLE NO.

CKY28

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099452B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 19 Date Analyzed: 06/24/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.20	36	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099459B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 17 Date Analyzed: 06/24/92

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

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~1.55~~	~~200~~	~~J~~
~~2.~~	~~LABORATORY ARTIFACT~~	~~2.18~~	~~36~~	~~J~~

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY30

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099463B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 40 Date Analyzed: 06/24/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.17	130	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099464B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 23 Date Analyzed: 06/24/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.20	38	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIG...
(R...
CKY32

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099465A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~2.17~~	~~43~~	~~J~~

SAMPLE DATA PACKAGE

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099466A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 11 Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.18	11	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099467B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 13 Date Analyzed: 06/24/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	2.20	29	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY35

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099468B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 3 Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.20	34	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY36

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099470A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 10 Date Analyzed: 06/25/92

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

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	1.55	43	J
2.	LABORATORY ARTIFACT	2.18	14	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY37 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099471B54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 8 Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	2.18	30	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (R.01) CKY38

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099473C54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 12 Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.15~~	~~54~~	~~BJ~~

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY14 ORIGINAL (Red)

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499425

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099425B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~4.80~~	~~26~~	~~BJ~~
~~2.~~	~~BLANK CONTAMINANT~~	~~5.13~~	~~11~~	~~BJ~~
3.	UNKNOWN	5.18	2	J
4.	UNKNOWN	10.80	11	J
5.	UNKNOWN	10.87	5	J
~~6.~~	~~LABORATORY ARTIFACT~~	~~14.07~~	~~7~~	~~J~~
~~7.~~	~~LABORATORY ARTIFACT~~	~~15.37~~	~~17~~	~~BJ~~

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY15

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499435

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099435B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.42	6	J
2.	BLANK CONTAMINANT	4.80	17	BJ
3.	UNKNOWN	4.95	6	J
4.	UNKNOWN	5.07	4	J
5.	BLANK CONTAMINANT	5.13	14	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY16

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499436

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099436B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.48~~	~~4~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~4.67~~	~~13~~	~~BJ~~
~~3.~~	~~UNKNOWN~~	~~5.07~~	~~5~~	~~J~~
~~4.~~	~~LABORATORY ARTIFACT~~	~~14.10~~	~~6~~	~~J~~
~~5.~~	~~LABORATORY ARTIFACT~~	~~15.40~~	~~12~~	~~BJ~~
6.	UNKNOWN	16.65	5	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY17

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499437

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099437B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	15.39	7	BJ

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY18

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499439

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099439B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~14.10~~	~~3~~	J
~~2.~~	~~LABORATORY ARTIFACT~~	~~15.42~~	~~27~~	BJ

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY19

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499440

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099440B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.50	4	J
2.	UNKNOWN	4.68	10	J
3.	UNKNOWN	5.08	4	J
4.	LABORATORY ARTIFACT	15.40	18	BJ

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL CKY20 (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099441B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~5.10~~	~~9~~	~~J~~
~~2.~~	~~TRICHLOROPROPENE~~	~~5.18~~	~~3~~	~~J~~
3.	UNKNOWN CARBOXYLIC ACID	11.30	3	J
4.	UNKNOWN CARBOXYLIC ACID	12.45	20	J
5.	UNKNOWN	13.42	4	J
6.	UNKNOWN CARBOXYLIC ACID	13.49	9	J
~~7.~~	~~LAB. ARTIFACT~~	~~14.12~~	~~8~~	~~J~~
~~8.~~	~~LAB. ARTIFACT~~	~~15.42~~	~~22~~	~~BJ~~
9.	UNKNOWN	16.34	7	J
10.	UNKNOWN	16.67	7	J
11.	UNKNOWN	16.82	7	J
12.	UNKNOWN	17.35	5	J
13.	UNKNOWN	17.49	4	J
14.	UNKNOWN	19.15	68	J
15.	UNKNOWN	19.54	160	J
16.	UNKNOWN	20.02	9	J
17.	UNKNOWN	20.99	5	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CKY22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499442

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099442B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~BLANK CONTAMINANT~~	4.70	10	BJ
2.	~~BLANK CONTAMINANT~~	5.08	6	BJ
3.	~~LABORATORY ARTIFACT~~	15.42	12	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY23

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499444

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099444B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~5.05~~	~~3~~	~~BJ~~
~~2.~~	~~LABORATORY ARTIFACT~~	~~15.37~~	~~5~~	~~BJ~~

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIG (Rev) CKY24

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499445

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099445A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	4.65	2	BJ
2.	UNKNOWN	13.57	5	J
3.	UNKNOWN	13.67	25	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499447

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099447A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) CKY26

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499449

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099449A07

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~4.67~~	~~7~~	~~J~~
2.	UNKNOWN	13.39	7	J
3.	UNKNOWN	14.44	18	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL
(Red)
CKY28

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499452

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GR099452A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.40	120	J
2.	~~BLANK CONTAMINANT~~	6.48	160	BJ
3.	~~BLANK CONTAMINANT~~	6.55	200	BJ
4.	UNKNOWN ALKANE	8.47	370	J
5.	UNKNOWN	12.24	82	J
6.	UNKNOWN HYDROCARBON	15.14	82	J
7.	UNKNOWN HYDROCARBON	17.10	82	J
8.	LABORATORY ARTIFACT	17.62	290	J
9.	UNKNOWN HYDROCARBON	18.29	120	J
10.	UNKNOWN HYDROCARBON	19.84	160	J
11.	UNKNOWN	21.30	120	J
12.	UNKNOWN HYDROCARBON	21.97	290	J
13.	UNKNOWN	24.14	120	J
14.	UNKNOWN	24.15	160	J
15.	UNKNOWN HYDROCARBON	25.11	200	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL

CKY29

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499459

Sample wt/vol: 30.7 (g/mL) G Lab File ID: G2R99459A05

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~BLANK CONTAMINANT~~	~~4.75~~	~~200~~	BJ
~~2.~~	~~TETRACHLOROETHANE~~	~~4.82~~	~~120~~	~~J~~
3.	UNKNOWN HYDROCARBON	6.98	120	J
4.	UNKNOWN HYDROCARBON	7.63	79	J
5.	UNKNOWN	7.68	430	J
6.	UNKNOWN	8.70	510	J
7.	UNKNOWN HYDROCARBON	8.84	120	J
8.	UNKNOWN HYDROCARBON	9.37	160	J
9.	UNKNOWN	9.75	390	J
10.	UNKNOWN	9.80	200	J
11.	UNKNOWN HYDROCARBON	10.39	200	J
12.	UNKNOWN + HYDROCARBON	10.85	200	J
~~13.~~	~~LABORATORY ARTIFACT~~	~~11.40~~	~~310~~	BJ
~~14.~~	~~LABORATORY ARTIFACT~~	~~12.85~~	~~200~~	BJ
~~15.~~	~~LABORATORY ARTIFACT~~	~~13.07~~	~~8600~~	BJ
16.	UNKNOWN	16.67	240	J
17.	UNKNOWN PAH	17.19	160	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)
CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499463

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099463A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 40 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.10	1200	J
~~2.~~	~~BLANK CONTAMINANT~~	5.20	5600	BJ
~~3.~~	~~BLANK CONTAMINANT~~	5.25	670	BJ
~~4.~~	~~BLANK CONTAMINANT~~	5.32	720	BJ
~~5.~~	~~BLANK CONTAMINANT~~	5.35	1200	BJ
~~6.~~	~~UNKNOWN~~	5.45	1300	J
7.	UNKNOWN	5.62	1100	J
8.	UNKNOWN	5.77	1700	J
9.	UNKNOWN	5.80	1000	J
10.	UNKNOWN	5.83	780	J
~~11.~~	~~UNKNOWN~~	6.33	610	J
12.	UNKNOWN	10.72	720	J
13.	UNKNOWN	11.25	780	J
14.	UNKNOWN HYDROCARBON	12.87	670	J
15.	UNKNOWN	13.05	560	J
~~16.~~	~~LABORATORY ARTIFACT~~	13.32	780	J
~~17.~~	~~LABORATORY ARTIFACT~~	13.37	14000	J
18.	UNKNOWN	13.62	830	J
19.	UNKNOWN HYDROCARBON	14.00	2700	J
20.	UNKNOWN	14.27	1200	J
21.	UNKNOWN HYDROCARBON	15.50	4000	J
22.	UNKNOWN	16.97	2300	J
23.	UNKNOWN HYDROCARBON	17.70	17000	J
24.	UNKNOWN	21.07	4600	J
25.	UNKNOWN	21.17	7800	J
26.	UNKNOWN	27.16	6700	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY31

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499464

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099464A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.98	1100	J
~~2.~~	~~UNKNOWN~~	~~6.43~~	~~130~~	~~J~~
~~3.~~	~~BLANK CONTAMINANT~~	~~6.50~~	~~170~~	~~BJ~~
~~4.~~	~~BLANK CONTAMINANT~~	~~6.58~~	~~260~~	~~BJ~~
5.	UNKNOWN ALKANE	8.49	170	J
6.	UNKNOWN	16.89	130	J
7.	UNKNOWN HYDROCARBON	17.12	86	J
~~8.~~	~~LABORATORY ARTIFACT~~	~~17.65~~	~~130~~	~~J~~
9.	UNKNOWN HYDROCARBON	18.32	220	J
10.	UNKNOWN	18.95	220	J
11.	UNKNOWN	19.37	130	J
12.	UNKNOWN HYDROCARBON	19.85	390	J
13.	UNKNOWN	19.99	260	J
14.	UNKNOWN	21.32	350	J
15.	UNKNOWN HYDROCARBON	22.00	950	J
16.	UNKNOWN	22.20	260	J
17.	UNKNOWN	23.39	130	J
18.	UNKNOWN	24.19	560	J
19.	UNKNOWN HYDROCARBON	25.12	650	J
20.	UNKNOWN HYDROCARBON	25.14	610	J
21.	UNKNOWN	28.47	390	J
22.	UNKNOWN	28.49	350	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL
(Red)
CKY32

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499465

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099465A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~5.02~~	~~200~~	J
~~2.~~	UNKNOWN	5.08	1400	J
~~3.~~	BLANK CONTAMINANT	5.20	5700	BJ
~~4.~~	BLANK CONTAMINANT	5.23	610	BJ
~~5.~~	BLANK CONTAMINANT	5.33	1300	BJ
6.	UNKNOWN	5.38	160	J
7.	UNKNOWN	5.45	610	J
8.	UNKNOWN	5.60	1300	J
~~9.~~	~~BLANK CONTAMINANT~~	5.78	1900	BJ
10.	UNKNOWN	5.83	320	J
11.	UNKNOWN	6.02	160	J
12.	UNKNOWN	6.22	450	J
13.	UNKNOWN	6.33	320	J
14.	UNKNOWN	6.60	200	J
15.	UNKNOWN	6.90	160	J
16.	UNKNOWN HYDROCARBON	8.99	120	J
17.	UNKNOWN HYDROCARBON	9.50	160	J
18.	UNKNOWN	11.22	1100	J
19.	UNKNOWN	11.25	730	J
20.	UNKNOWN	12.10	370	J
~~21.~~	~~LABORATORY ARTIFACT~~	13.29	370	J
~~22.~~	~~LABORATORY ARTIFACT~~	13.34	6900	J
23.	UNKNOWN HYDROCARBON	13.97	650	J
24.	UNKNOWN HYDROCARBON	15.45	970	J
25.	UNKNOWN	16.92	1300	J
26.	UNKNOWN	17.70	4000	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY33

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499466

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099466A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 11 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.05	150	J
2.	UNKNOWN	5.10	1200	J
~~3.~~	~~BLANK CONTAMINANT~~	5.20	3500	BJ
~~4.~~	~~BLANK CONTAMINANT~~	5.25	300	BJ
~~5.~~	~~BLANK CONTAMINANT~~	5.32	370	BJ
~~6.~~	~~BLANK CONTAMINANT~~	5.35	450	BJ
~~7.~~	~~UNKNOWN~~	5.47	450	J
8.	UNKNOWN	5.62	790	J
~~9.~~	~~BLANK CONTAMINANT~~	5.80	1500	BJ
~~10.~~	~~UNKNOWN~~	~~6.35~~	~~260~~	~~J~~
11.	UNKNOWN	6.62	190	J
12.	UNKNOWN HYDROCARBON	7.28	260	J
13.	UNKNOWN	9.75	300	J
14.	UNKNOWN	9.99	190	J
15.	UNKNOWN	10.14	150	J
16.	UNKNOWN	10.74	260	J
17.	UNKNOWN	11.27	560	J
18.	UNKNOWN HYDROCARBON	11.47	190	J
19.	UNKNOWN	11.94	370	J
~~20.~~	~~LABORATORY ARTIFACT~~	13.39	7500	J
21.	UNKNOWN	13.64	260	J
22.	UNKNOWN	14.02	520	J
23.	UNKNOWN	14.29	340	J
24.	UNKNOWN	15.52	450	J
25.	UNKNOWN	17.72	2200	J
26.	UNKNOWN	17.84	2000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CKY34

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499467

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099467B57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	19.82	150	J
2.	UNKNOWN	21.27	270	J
3.	UNKNOWN HYDROCARBON	21.97	500	J
4.	UNKNOWN	23.30	730	J
5.	UNKNOWN	24.12	150	J
6.	UNKNOWN HYDROCARBON	25.07	460	J

ORIGINAL
(Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY35

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499468

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099468A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 3 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~6.40~~	~~210~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~6.55~~	~~210~~	~~BJ~~
3.	UNKNOWN	7.10	270	J
4.	UNKNOWN HYDROCARBON	8.47	790	J
5.	UNKNOWN HYDROCARBON	9.44	650	J
6.	UNKNOWN HYDROCARBON	10.35	760	J
7.	UNKNOWN HYDROCARBON	11.19	620	J
8.	UNKNOWN HYDROCARBON	11.99	620	J
9.	UNKNOWN HYDROCARBON	13.47	690	J
10.	UNKNOWN HYDROCARBON	14.14	620	J
11.	UNKNOWN HYDROCARBON	14.79	450	J
12.	UNKNOWN HYDROCARBON	15.40	410	J
13.	UNKNOWN HYDROCARBON	15.99	380	J
14.	UNKNOWN HYDROCARBON	16.55	310	J
15.	UNKNOWN HYDROCARBON	17.10	380	J
16.	UNKNOWN HYDROCARBON	17.67	310	J
17.	UNKNOWN HYDROCARBON	18.30	310	J
18.	UNKNOWN HYDROCARBON	19.82	310	J
19.	UNKNOWN	22.15	340	J
20.	UNKNOWN HYDROCARBON	25.09	510	J
21.	UNKNOWN HYDROCARBON	19.00	140	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
(Red)
CKY36

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499470

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099470A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~6.42~~	~~150~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~6.48~~	~~150~~	~~BJ~~
~~3.~~	~~BLANK CONTAMINANT~~	~~6.57~~	~~220~~	~~BJ~~
4.	UNKNOWN	15.15	180	J
5.	UNKNOWN HYDROCARBON	17.10	110	J
6.	UNKNOWN	17.90	110	J
7.	UNKNOWN HYDROCARBON	18.30	110	J
8.	UNKNOWN HYDROCARBON	19.84	370	J
9.	UNKNOWN	19.95	330	J
10.	UNKNOWN HYDROCARBON	20.80	180	J
11.	UNKNOWN	21.34	1600	J
12.	UNKNOWN	22.12	1600	J
13.	UNKNOWN	23.37	150	J
14.	UNKNOWN	24.15	370	J
15.	UNKNOWN HYDROCARBON	25.12	1700	J
16.	UNKNOWN	25.57	110	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CKY37

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499471

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099471A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/02/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN~~	~~5.07~~	~~330~~	~~J~~
~~2.~~	~~BLANK CONTAMINANT~~	~~5.17~~	~~1000~~	~~BJ~~
~~3.~~	~~BLANK CONTAMINANT~~	~~5.22~~	~~140~~	~~BJ~~
~~4.~~	~~BLANK CONTAMINANT~~	~~5.27~~	~~220~~	~~BJ~~
~~5.~~	~~BLANK CONTAMINANT~~	~~5.32~~	~~360~~	~~BJ~~
6.	UNKNOWN	5.38	72	J
7.	UNKNOWN	5.60	220	J
~~8.~~	~~BLANK CONTAMINANT~~	~~5.77~~	~~290~~	~~BJ~~
9.	UNKNOWN	5.98	140	J
10.	UNKNOWN	11.24	290	J
11.	UNKNOWN	12.85	110	J
12.	UNKNOWN	13.27	290	J
~~13.~~	~~LABORATORY ARTIFACT~~	~~13.34~~	~~8300~~	~~J~~
14.	UNKNOWN	14.00	180	J
15.	UNKNOWN	17.65	330	J
16.	UNKNOWN	17.84	220	J
17.	UNKNOWN	27.42	510	J

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J". When the %RSD exceeded 50%, quantitation limits are qualified "UJ".

C = %D exceeded 25% in the continuing calibration, positive results are qualified "J". When the %D exceeded 50%, quantitation limits are qualified "UJ".

F = RF less than 0.05 in the calibration. All quantitation limits are qualified "R".

+ = The "B" qualifier, denoting blank contamination, supersedes the qualifier issued in this table.

R = The "R" qualifier, denoting unusable results, supersedes the qualifier issued in this table.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N): Y Calibration Times: 1803 0140

GC Column: DB-624 ID: 0.530 (mm)

LAB FILE ID: RRF10 = GT920610C54 RRF20 = GS920610C54
RRF50= GU920609B54 RRF100= GT920609B54 RRF200= GZ920609B54

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		1.381	1.037	0.997	0.891	0.986	1.058	17.8
Bromomethane	*	1.751	1.350	1.091	1.041	1.173	1.281	22.5*
Vinyl Chloride	*	1.572	1.361	1.172	1.117	1.150	1.274	15.0*
Chloroethane		0.967	0.869	0.714	0.655	0.719	0.785	16.[illegible]
Methylene Chloride		4.436	3.579	1.923	1.894	1.837	2.734	44.0
Acetone		0.843	0.874	0.577	0.498	0.406	0.640	32.7
Carbon Disulfide		4.978	4.699	3.983	3.999	3.822	4.296	11.9
1,1-Dichloroethene	*	1.645	1.657	1.439	1.509	1.395	1.529	7.8*
1,1-Dichloroethane	*	3.279	3.002	2.678	2.718	2.557	2.847	10.2*
1,2-Dichloroethene (total)		1.756	1.738	1.474	1.555	1.444	1.593	9.2
Chloroform	*	4.211	3.778	3.394	3.527	3.373	3.657	9.6*
1,2-Dichloroethane	*	2.411	2.294	1.953	2.017	1.969	2.129	9.8*
2-Butanone		0.429	0.491	0.464	0.521	0.425	0.466	8.8
1,1,1-Trichloroethane	*	0.750	0.692	0.658	0.652	0.659	0.682	6.0*
Carbon Tetrachloride	*	0.749	0.717	0.664	0.669	0.692	0.698	5.1*
Bromodichloromethane	*	0.828	0.801	0.750	0.758	0.776	0.783	4.1*
1,2-Dichloropropane		0.396	0.385	0.349	0.342	0.344	0.363	7.0
cis-1,3-Dichloropropene	*	0.533	0.551	0.528	0.542	0.558	0.542	2.3*
Trichloroethene	*	0.525	0.500	0.446	0.439	0.437	0.469	8.6*
Dibromochloromethane	*	0.697	0.668	0.650	0.658	0.660	0.667	2.7[illegible]
1,1,2-Trichloroethane	*	0.388	0.375	0.355	0.350	0.342	0.362	5.2*
Benzene	*	1.039	0.962	0.885	0.847	0.838	0.914	9.3*
Trans-1,3-Dichloropropene	*	0.316	0.344	0.355	0.380	0.398	0.359	8.9*
Bromoform	*	0.549	0.545	0.545	0.554	0.543	0.547	0.8*
4-Methyl-2-Pentanone		0.386	0.435	0.428	0.428	0.399	0.415	5.2
2-Hexanone		0.260	0.290	0.286	0.297	0.271	0.281	5.3
Tetrachloroethene	*	0.623	0.589	0.540	0.519	0.499	0.554	9.2*
1,1,2,2-Tetrachloroethane	*	0.818	0.798	0.774	0.751	0.715	0.771	5.2*
Toluene	*	1.523	1.388	1.269	1.222	1.206	1.322	10.1*
Chlorobenzene	*	1.187	1.123	1.024	0.994	0.978	1.061	8.5*
Ethylbenzene	*	0.527	0.492	0.460	0.453	0.445	0.475	7.1*
Styrene	*	1.033	0.958	0.911	0.902	0.892	0.939	6.2*
Xylene (total)	*	0.649	0.614	0.575	0.563	0.556	0.591	6.6*
Toluene-d8		1.271	1.137	1.107	1.061	1.049	1.125	7.9
Bromofluorobenzene	*	1.133	1.001	1.016	0.974	0.970	1.019	6.5*
1,2-Dichloroethane-d4		2.194	1.916	1.830	1.894	1.857	1.938	7.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA 3/90

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration date: 06/24/92 Time: 1346

Lab File ID: GS920624A54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530(mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Chloromethane	1.058	0.715		32.4		CKY28
Bromomethane	1.281	1.417	0.100	-10.6	25.0	CKY29
Vinyl Chloride	1.274	1.074	0.100	15.7	25.0	CKY30
Chloroethane	0.785	0.861		-9.7		CKY31
Methylene Chloride	2.734	2.344		14.3		
Acetone	0.640	0.609		4.8		CKY34
Carbon Disulfide	4.296	3.786		11.9		
1,1-Dichloroethene	1.529	1.574	0.100	-2.9	25.0	CKY35
1,1-Dichloroethane	2.847	2.700	0.200	5.2	25.0	
1,2-Dichloroethene (total)	1.593	1.575		1.1		CKY37
Chloroform	3.657	3.826	0.200	-4.6	25.0	
1,2-Dichloroethane	2.129	2.355	0.100	-10.6	25.0	
2-Butanone	0.466	0.431		7.5		
1,1,1-Trichloroethane	0.682	0.696	0.100	-2.1	25.0	
Carbon Tetrachloride	0.698	0.762	0.100	-9.2	25.0	
Bromodichloromethane	0.783	0.805	0.200	-2.8	25.0	
1,2-Dichloropropane	0.363	0.343		5.5		
cis-1,3-Dichloropropene	0.542	0.481	0.200	11.2	25.0	
Trichloroethene	0.469	0.465	0.300	0.9	25.0	
Dibromochloromethane	0.667	0.719	0.100	-7.8	25.0	
1,1,2-Trichloroethane	0.362	0.381	0.100	-5.2	25.0	
Benzene	0.914	0.888	0.500	2.8	25.0	
Trans-1,3-Dichloropropene	0.359	0.314	0.100	12.5	25.0	
Bromoform	0.547	0.604	0.100	-10.4	25.0	
4-Methyl-2-Pentanone	0.415	0.333		19.8		
2-Hexanone	0.261	0.211		24.9		
Tetrachloroethene	0.554	0.571	0.200	-3.1	25.0	
1,1,2,2-Tetrachloroethane	0.771	0.755	0.500	2.1	25.0	
Toluene	1.322	1.272	0.400	3.8	25.0	
Chlorobenzene	1.061	1.006	0.500	5.2	25.0	
Ethylbenzene	0.475	0.468	0.100	1.5	25.0	
Styrene	0.939	0.882	0.300	6.1	25.0	
Xylene (total)	0.591	0.589	0.300	0.3	25.0	
Toluene-d8	1.125	1.098		2.4		
Bromofluorobenzene	1.019	1.002	0.200	1.7	25.0	
1,2-Dichloroethane-d4	1.938	2.184		-12.7		

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration date: 06/25/92 Time: 0507

Lab File ID: GS920625C54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530(mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.058	1.166		-10.2	
Bromomethane	1.281	1.496	0.100	-16.8	25.0
Vinyl Chloride	1.274	1.348	0.100	-5.8	25.0
Chloroethane	0.785	0.830		-5.7	
Methylene Chloride	2.734	2.219		18.8	
Acetone	0.640	0.323		49.5	
Carbon Disulfide	4.296	4.311		-0.3	
1,1-Dichloroethene	1.529	1.554	0.100	-1.6	25.0
1,1-Dichloroethane	2.847	2.803	0.200	1.5	25.0
1,2-Dichloroethene (total)	1.593	1.579		0.9	
Chloroform	3.657	3.828	0.200	-4.7	25.0
1,2-Dichloroethane	2.129	2.267	0.100	-6.5	25.0
2-Butanone	0.466	0.402		13.7	
1,1,1-Trichloroethane	0.682	0.700	0.100	-2.6	25.0
Carbon Tetrachloride	0.698	0.780	0.100	-11.8	25.0
Bromodichloromethane	0.783	0.822	0.200	-5.0	25.0
1,2-Dichloropropane	0.363	0.347		4.4	
cis-1,3-Dichloropropene	0.542	0.482	0.200	11.1	25.0
Trichloroethene	0.469	0.480	0.300	-2.3	25.0
Dibromochloromethane	0.667	0.706	0.100	-5.8	25.0
1,1,2-Trichloroethane	0.362	0.350	0.100	3.3	25.0
Benzene	0.914	0.884	0.500	3.3	25.0
Trans-1,3-Dichloropropene	0.359	0.315	0.100	12.3	25.0
Bromoform	0.547	0.574	0.100	-4.9	25.0
4-Methyl-2-Pentanone	0.415	0.323		22.2	
2-Hexanone	0.281	0.177		37.0	
Tetrachloroethene	0.554	0.572	0.200	-3.2	25.0
1,1,2,2-Tetrachloroethane	0.771	0.655	0.500	15.0	25.0
Toluene	1.322	1.267	0.400	4.2	25.0
Chlorobenzene	1.061	1.022	0.500	3.7	25.0
Ethylbenzene	0.475	0.461	0.100	2.9	25.0
Styrene	0.939	0.906	0.300	3.5	25.0
Xylene (total)	0.591	0.584	0.300	1.2	25.0
Toluene-d8	1.125	1.104		1.9	
Bromofluorobenzene	1.019	1.024	0.200	-0.5	25.0
1,2-Dichloroethane-d4	1.938	2.090		-7.8	

Samples
CK432
CK432M
CK433
CK434
CK438

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50054 Calibration date: 06/26/92 Time: 0840

Lab File ID: GS920626A54 Init. Calib. Date(s): 06/09/92 06/10/92

Heated Purge: (Y/N) Y Init. Calib. Times: 1803 0140

GC Column: DB-624 ID: 0.530 (mm)

Samples CKY32M

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.058	0.989		6.5	
Bromomethane	1.281	1.417	0.100	-10.6	25.0
Vinyl Chloride	1.274	1.236	0.100	3.0	25.0
Chloroethane	0.785	0.892		-13.6	
Methylene Chloride	2.734	1.966		28.1	
Acetone	0.640	0.451		29.5	
Carbon Disulfide	4.296	3.836		10.7	
1,1-Dichloroethene	1.529	1.586	0.100	-3.7	25.0
1,1-Dichloroethane	2.847	2.743	0.200	3.7	25.0
1,2-Dichloroethene (total)	1.593	1.548		2.8	
Chloroform	3.657	3.830	0.200	-4.7	25.0
1,2-Dichloroethane	2.129	2.333	0.100	-9.6	25.0
2-Butanone	0.466	0.398		14.6	
1,1,1-Trichloroethane	0.682	0.719	0.100	-5.4	25.0
Carbon Tetrachloride	0.698	0.776	0.100	-11.2	25.0
Bromodichloromethane	0.783	0.832	0.200	-6.3	25.0
1,2-Dichloropropane	0.363	0.355		2.2	
cis-1,3-Dichloropropene	0.542	0.514	0.200	5.2	25.0
Trichloroethene	0.469	0.476	0.300	-1.5	25.0
Dibromochloromethane	0.667	0.730	0.100	-9.4	25.0
1,1,2-Trichloroethane	0.362	0.370	0.100	-2.2	25.0
Benzene	0.914	0.898	0.500	1.8	25.0
Trans-1,3-Dichloropropene	0.359	0.339	0.100	5.6	25.0
Bromoform	0.547	0.616	0.100	-12.6	25.0
4-Methyl-2-Pentanone	0.415	0.383		7.7	
2-Hexanone	0.281	0.238		15.3	
Tetrachloroethene	0.554	0.578	0.200	-4.3	25.0
1,1,2,2-Tetrachloroethane	0.771	0.763	0.500	1.0	25.0
Toluene	1.322	1.310	0.400	0.9	25.0
Chlorobenzene	1.061	1.059	0.500	0.2	25.0
Ethylbenzene	0.475	0.474	0.100	0.2	25.0
Styrene	0.939	0.932	0.300	0.7	25.0
Xylene (total)	0.591	0.618	0.300	-4.6	25.0
Toluene-d8	1.125	1.144		-1.7	
Bromofluorobenzene	1.019	1.041	0.200	-2.2	25.0
1,2-Dichloroethane-d4	1.938	2.130		-9.9	

All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration Date(s): 06/22/92 06/23/92

Heated Purge: (Y/N): N Calibration Times: 1520 0056

GC Column: DB624 ID: 0.530(mm)

LAB FILE ID: RRF10 = CU920622B56 RRF20 = CA920622A56
RRF50= CT920622B56 RRF100= CY920622A56 RRF200= CX920622A56

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.061	0.041	0.048	0.048	0.051	0.050	14.5
Bromomethane	*	1.063	1.079	1.006	0.964	0.913	1.005	6.9*
Vinyl Chloride	*	0.633	0.415	0.391	0.382	0.353	0.435	26.0
Chloroethane		0.741	0.847	0.741	0.734	0.688	0.750	7.8
Methylene Chloride		2.875	3.490	1.514	1.477	1.292	2.130	46.4
Acetone		0.262	0.328	0.214	0.196	0.172	0.234	26.4
Carbon Disulfide		3.856	4.114	3.856	4.040	3.573	3.888	5.4
1,1-Dichloroethene	*	1.435	1.350	1.319	1.326	1.191	1.324	6.6*
1,1-Dichloroethane	*	2.833	3.054	2.839	2.981	2.791	2.910	3.7*
1,2-Dichloroethene (total)		1.470	1.598	1.480	1.523	1.397	1.494	4.9
Chloroform	*	2.733	2.980	2.811	2.847	2.709	2.816	3.8*
1,2-Dichloroethane	*	1.500	1.720	1.673	1.684	1.653	1.646	5.2*
2-Butanone		0.177	0.442	0.371	0.385	0.386	0.352	28.9
1,1,1-Trichloroethane	*	0.474	0.486	0.477	0.427	0.433	0.459	5.9*
Carbon Tetrachloride	*	0.441	0.439	0.452	0.411	0.417	0.432	4.0*
Bromodichloromethane	*	0.473	0.608	0.535	0.485	0.576	0.535	10.8*
1,2-Dichloropropane		0.377	0.461	0.420	0.388	0.430	0.415	8.1
cis-1,3-Dichloropropene	*	0.510	0.583	0.586	0.539	0.558	0.555	5.7*
Trichloroethene	*	0.480	0.457	0.453	0.423	0.410	0.445	6.3
Dibromochloromethane	*	0.439	0.444	0.495	0.439	0.459	0.455	5.2
1,1,2-Trichloroethane	*	0.333	0.342	0.359	0.299	0.313	0.329	7.2*
Benzene	*	1.022	1.156	1.019	0.926	0.929	1.010	9.3*
Trans-1,3-Dichloropropene	*	0.326	0.375	0.383	0.360	0.374	0.364	6.2*
Bromoform	*	0.322	0.319	0.378	0.327	0.350	0.339	7.3*
4-Methyl-2-Pentanone		0.149	0.204	0.192	0.197	0.196	0.188	11.7
2-Hexanone		0.149	0.204	0.192	0.197	0.196	0.188	11.7
Tetrachloroethene	*	0.539	0.515	0.508	0.484	0.437	0.497	7.8*
1,1,2,2-Tetrachloroethane	*	0.504	0.494	0.522	0.476	0.468	0.493	4.4*
Toluene	*	1.321	1.420	1.344	1.325	1.187	1.319	6.4*
Chlorobenzene	*	1.018	1.072	1.057	1.016	0.932	1.019	5.3*
Ethylbenzene	*	0.520	0.538	0.543	0.530	0.484	0.523	4.5*
Styrene	*	0.952	1.018	1.027	0.991	0.917	0.981	4.7*
Xylene (total)	*	0.629	0.662	0.657	0.638	0.581	0.633	5.1*
Toluene-d8		1.171	1.216	1.183	1.159	1.116	1.169	3.1
Bromofluorobenzene	*	0.789	0.827	0.809	0.803	0.813	0.808	1.7*
1,2-Dichloroethane-d4		1.431	1.632	1.608	1.629	1.718	1.604	6.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA 3/90

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/24/92 Time: 0648

Lab File ID: CS920624C56 Init. Calib. Date(s): 06/22/92 06/23/92

Heated Purge: (Y/N) N Init. Calib. Times: 1520 0056

GC Column: DB624 ID: 0.530 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Chloromethane	0.050	0.076		-52.0		CKY16
Bromomethane	1.005	0.936	0.100	6.9	25.0	CKY15
Vinyl Chloride	0.435	0.411	0.100	5.5	25.0	
Chloroethane	0.750	0.645		14.0		
Methylene Chloride	2.130	1.531		28.1		
Acetone	0.234	0.229		2.1		
Carbon Disulfide	3.888	3.596		7.5		
1,1-Dichloroethene	1.324	1.282	0.100	3.2	25.0	
1,1-Dichloroethane	2.910	2.855	0.200	1.9	25.0	
1,2-Dichloroethene (total)	1.494	1.516		-1.5		
Chloroform	2.816	2.884	0.200	-2.4	25.0	
1,2-Dichloroethane	1.646	1.723	0.100	-4.7	25.0	
2-Butanone	0.352	0.354		-0.6		
1,1,1-Trichloroethane	0.459	0.452	0.100	1.5	25.0	
Carbon Tetrachloride	0.432	0.406	0.100	6.0	25.0	
Bromodichloromethane	0.535	0.498	0.200	6.9	25.0	
1,2-Dichloropropane	0.415	0.406		2.2		
cis-1,3-Dichloropropene	0.555	0.566	0.200	-2.0	25.0	
Trichloroethene	0.445	0.469	0.300	-5.4	25.0	
Dibromochloromethane	0.455	0.466	0.100	-2.4	25.0	
1,1,2-Trichloroethane	0.329	0.356	0.100	-8.2	25.0	
Benzene	1.010	0.983	0.500	2.7	25.0	
Trans-1,3-Dichloropropene	0.364	0.373	0.100	-2.5	25.0	
Bromoform	0.339	0.353	0.100	-4.1	25.0	
4-Methyl-2-Pentanone	0.188	0.329		-75.0		
2-Hexanone	0.188	0.180		4.3		
Tetrachloroethene	0.497	0.535	0.200	-7.6	25.0	
1,1,2,2-Tetrachloroethane	0.493	0.574	0.500	-16.4	25.0	
Toluene	1.319	1.402	0.400	-6.3	25.0	
Chlorobenzene	1.019	1.094	0.500	-7.4	25.0	
Ethylbenzene	0.523	0.558	0.100	-6.7	25.0	
Styrene	0.981	1.075	0.300	-9.6	25.0	
Xylene (total)	0.633	0.692	0.300	-9.3	25.0	
Toluene-d8	1.169	1.204		-3.0		
Bromofluorobenzene	0.808	0.834	0.200	-3.2	25.0	
1,2-Dichloroethane-d4	1.604	1.629		-1.6		

All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N): N Calibration Times: 0021 0351

GC Column: DB624 ID: 0.530 (mm)

LAB FILE ID: RRF10 = CU920625C56 RRF20 = CV920625C56
RRF50= CS920625C56 RRF100= CW920625C56 RRF200= CT920625C56

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		0.232	0.164	0.172	0.144	0.161	0.175	19.2
Bromomethane	*	1.621	1.257	1.156	1.215	1.092	1.268	16.3*
Vinyl Chloride	*	1.138	0.857	0.790	0.847	0.837	0.894	15.5
Chloroethane		1.117	0.917	0.829	0.828	0.785	0.895	14.9
Methylene Chloride		2.523	1.777	1.806	1.566	1.370	1.808	24.2
Acetone		0.819	0.413	0.258	0.221	0.214	0.385	66.4
Carbon Disulfide		4.747	3.885	4.302	4.099	3.769	4.160	9.3
1,1-Dichloroethene	*	1.711	1.384	1.578	1.383	1.250	1.461	12.5*
1,1-Dichloroethane	*	3.684	3.084	3.377	3.159	2.955	3.252	8.8*
1,2-Dichloroethene (total)		1.857	1.520	1.658	1.562	1.437	1.607	10.0
Chloroform	*	3.636	3.032	3.287	3.074	2.876	3.181	9.2*
1,2-Dichloroethane	*	2.015	1.690	1.894	1.778	1.684	1.812	7.8*
2-Butanone		0.565	0.331	0.377	0.394	0.380	0.409	22.0
1,1,1-Trichloroethane	*	0.618	0.525	0.548	0.518	0.487	0.539	9.1*
Carbon Tetrachloride	*	0.520	0.450	0.496	0.484	0.473	0.485	5.4*
Bromodichloromethane	*	0.651	0.563	0.595	0.601	0.590	0.600	5.3*
1,2-Dichloropropane		0.492	0.425	0.453	0.437	0.416	0.445	6.7
cis-1,3-Dichloropropene	*	0.670	0.613	0.651	0.596	0.623	0.631	4.7*
Trichloroethene	*	0.525	0.446	0.473	0.449	0.427	0.464	8.2
Dibromochloromethane	*	0.450	0.406	0.484	0.467	0.454	0.452	6.4*
1,1,2-Trichloroethane	*	0.440	0.340	0.364	0.337	0.304	0.357	14.3*
Benzene	*	1.214	1.003	1.062	0.995	0.918	1.038	10.7*
Trans-1,3-Dichloropropene	*	0.426	0.369	0.422	0.401	0.380	0.400	6.3*
Bromoform	*	0.311	0.276	0.325	0.319	0.319	0.310	6.3*
4-Methyl-2-Pentanone		0.381	0.356	0.324	0.331	0.361	0.351	6.6
2-Hexanone		0.259	0.155	0.174	0.193	0.183	0.193	20.5
Tetrachloroethene	*	0.572	0.484	0.506	0.471	0.441	0.495	9.9*
1,1,2,2-Tetrachloroethane	*	0.582	0.494	0.538	0.495	0.478	0.517	8.2*
Toluene	*	1.593	1.171	1.434	1.313	1.126	1.327	14.4*
Chlorobenzene	*	1.189	1.012	1.075	1.005	0.925	1.041	9.4*
Ethylbenzene	*	0.593	0.523	0.557	0.523	0.479	0.535	8.0*
Styrene	*	1.149	0.970	1.039	0.974	0.907	1.008	9.1*
Xylene (total)	*	0.731	0.632	0.671	0.618	0.564	0.643	9.7*
Toluene-d8		1.457	1.100	1.218	1.143	1.052	1.194	13.3
Bromofluorobenzene	*	1.015	0.889	0.873	0.847	0.805	0.886	8.9*
1,2-Dichloroethane-d4		2.048	1.706	1.706	1.707	1.690	1.771	8.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/25/92 Time: 0912

Lab File ID: CT920625A56 Init. Calib. Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N) N Init. Calib. Times: 0021 0351

GC Column: DB624 ID: 0.530 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Samples
Chloromethane	0.175	0.185		-5.7		CKY14
Bromomethane	1.268	1.140	0.100	10.1	25.0	CKY17
Vinyl Chloride	0.894	0.819	0.100	8.4	25.0	CKY19
Chloroethane	0.895	0.809		9.6		CKY20
Methylene Chloride	1.808	1.805		0.2		
Acetone	0.385	0.197		48.8		CKY22
Carbon Disulfide	4.160	4.164		-0.1		
1,1-Dichloroethene	1.461	1.500	0.100	-2.7	25.0	CKY23
1,1-Dichloroethane	3.252	3.264	0.200	-0.4	25.0	CKY24
1,2-Dichloroethene (total)	1.607	1.644		-2.3		CKY25
Chloroform	3.181	3.298	0.200	-3.7	25.0	CKY15MS
1,2-Dichloroethane	1.812	1.699	0.100	6.2	25.0	
2-Butanone	0.409	0.247		39.6		(CKY15MS)
1,1,1-Trichloroethane	0.539	0.526	0.100	2.4	25.0	
Carbon Tetrachloride	0.485	0.483	0.100	0.4	25.0	
Bromodichloromethane	0.600	0.547	0.200	8.8	25.0	
1,2-Dichloropropane	0.445	0.421		5.4		
cis-1,3-Dichloropropene	0.631	0.583	0.200	7.6	25.0	
Trichloroethene	0.464	0.458	0.300	1.3	25.0	
Dibromochloromethane	0.452	0.454	0.100	-0.4	25.0	
1,1,2-Trichloroethane	0.357	0.327	0.100	8.4	25.0	
Benzene	1.038	1.079	0.500	-4.0	25.0	
Trans-1,3-Dichloropropene	0.400	0.369	0.100	7.8	25.0	
Bromoform	0.310	0.300	0.100	3.2	25.0	
4-Methyl-2-Pentanone	0.351	0.301		14.2		
2-Hexanone	0.193	0.154		20.2		
Tetrachloroethene	0.495	0.499	0.200	-0.8	25.0	
1,1,2,2-Tetrachloroethane	0.517	0.518	0.500	-0.2	25.0	
Toluene	1.327	1.411	0.400	-6.3	25.0	
Chlorobenzene	1.041	1.072	0.500	-3.0	25.0	
Ethylbenzene	0.535	0.553	0.100	-3.4	25.0	
Styrene	1.008	1.037	0.300	-2.9	25.0	
Xylene (total)	0.643	0.667	0.300	-3.7	25.0	
Toluene-d8	1.194	1.248		-4.5		
Bromofluorobenzene	0.886	0.887	0.200	-0.1	25.0	
1,2-Dichloroethane-d4	1.771	1.657		6.4		

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: F50056 Calibration date: 06/25/92 Time: 2225

Lab File ID: CS920625B56 Init. Calib. Date(s): 06/25/92 06/25/92

Heated Purge: (Y/N) N Init. Calib. Times: 0021 0351

GC Column: DB624 ID: 0.530 (mm)

Samples
CKY18
CKY26

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.175	0.240		-37.1	
Bromomethane	1.268	1.335	0.100	-5.3	25.0
Vinyl Chloride	0.894	1.053	0.100	-17.8	25.0
Chloroethane	0.895	0.874		2.3	
Methylene Chloride	1.808	1.871		-3.5	
Acetone	0.385	0.249		35.3	
Carbon Disulfide	4.160	4.367		-5.0	
1,1-Dichloroethene	1.461	1.572	0.100	-7.6	25.0
1,1-Dichloroethane	3.252	3.405	0.200	-4.7	25.0
1,2-Dichloroethene (total)	1.607	1.702		-5.9	
Chloroform	3.181	3.390	0.200	-6.6	25.0
1,2-Dichloroethane	1.812	1.898	0.100	-4.7	25.0
2-Butanone	0.409	0.360		12.0	
1,1,1-Trichloroethane	0.539	0.545	0.100	-1.1	25.0
Carbon Tetrachloride	0.485	0.490	0.100	-1.0	25.0
Bromodichloromethane	0.600	0.613	0.200	-2.2	25.0
1,2-Dichloropropane	0.445	0.466		-4.7	
cis-1,3-Dichloropropene	0.631	0.677	0.200	-7.3	25.0
Trichloroethene	0.464	0.477	0.300	-2.8	25.0
Dibromochloromethane	0.452	0.463	0.100	-2.4	25.0
1,1,2-Trichloroethane	0.357	0.363	0.100	-1.7	25.0
Benzene	1.038	1.095	0.500	-5.5	25.0
Trans-1,3-Dichloropropene	0.400	0.402	0.100	-0.5	25.0
Bromoform	0.310	0.294	0.100	5.2	25.0
4-Methyl-2-Pentanone	0.351	0.360		-2.6	
2-Hexanone	0.193	0.158		18.1	
Tetrachloroethene	0.495	0.496	0.200	-0.2	25.0
1,1,2,2-Tetrachloroethane	0.517	0.513	0.500	0.8	25.0
Toluene	1.327	1.234	0.400	7.0	25.0
Chlorobenzene	1.041	1.079	0.500	-3.6	25.0
Ethylbenzene	0.535	0.554	0.100	-3.6	25.0
Styrene	1.008	1.049	0.300	-4.1	25.0
Xylene (total)	0.643	0.663	0.300	-3.1	25.0
Toluene-d8	1.194	1.112		6.9	
Bromofluorobenzene	0.886	0.883	0.200	0.3	25.0
1,2-Dichloroethane-d4	1.771	1.787		-0.9	

All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration Date(s): 05/04/92 05/04/92

Calibration Times: 1831 2137

LAB FILE ID: RRF20 = HA920504B57 RRF50 = HB920504B57
RRF80 = HC920504B57 RRF120= HD920504B57 RRF160= HE920504B57

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.899	1.961	1.821	1.800	1.766	1.849	4.3*
bis(2-Chloroethyl)Ether *	1.680	1.684	1.570	1.543	1.479	1.591	5.6*
2-Chlorophenol *	1.420	1.439	1.336	1.300	1.284	1.356	5.2*
1,3-Dichlorobenzene *	1.531	1.493	1.372	1.323	1.236	1.391	8.7*
1,4-Dichlorobenzene *	1.620	1.568	1.439	1.388	1.315	1.466	8.6*
1,2-Dichlorobenzene *	1.480	1.458	1.354	1.312	1.284	1.378	6.3*
2-Methylphenol *	1.299	1.386	1.340	1.305	1.273	1.321	3.3*
2,2'-Oxybis(1-Chloropropane	2.625	2.854	2.792	2.857	2.843	2.794	3.5
4-Methylphenol *	1.322	1.422	1.323	1.325	1.308	1.340	3.5*
N-Nitroso-Di-n-Propylamine *	1.489	1.553	1.482	1.518	1.518	1.512	1.9*
Hexachloroethane *	0.740	0.765	0.714	0.707	0.699	0.725	3.7*
Nitrobenzene *	0.500	0.494	0.473	0.457	0.449	0.475	4.7*
Isophorone *	0.889	0.884	0.847	0.847	0.830	0.859	3.0*
2-Nitrophenol *	0.163	0.184	0.176	0.176	0.172	0.174	4.4*
2,4-Dimethylphenol *	0.339	0.311	0.319	0.319	0.311	0.320	3.6*
bis(2-Chloroethoxy)Methane *	0.531	0.551	0.524	0.514	0.499	0.524	3.7*
2,4-Dichlorophenol *	0.247	0.266	0.261	0.255	0.245	0.255	3.5*
1,2,4-Trichlorobenzene *	0.301	0.295	0.289	0.268	0.254	0.281	7.0*
Naphthalene *	1.044	0.994	0.921	0.873	0.822	0.931	9.6*
4-Chloroaniline	0.274	0.176	0.367	0.395	0.367	0.316	28.7
Hexachlorobutadiene	0.163	0.157	0.154	0.142	0.135	0.150	7.6
4-Chloro-3-Methylphenol *	0.313	0.335	0.325	0.326	0.313	0.322	2.9*
2-Methylnaphthalene *	0.628	0.629	0.594	0.550	0.519	0.584	8.3*
Hexachlorocyclopentadiene	0.348	0.353	0.359	0.346	0.321	0.345	4.2
2,4,6-Trichlorophenol *	0.337	0.346	0.341	0.339	0.336	0.340	1.2*
2,4,5-Trichlorophenol *	0.348	0.371	0.370	0.365	0.337	0.358	4.2*
2-Chloronaphthalene *	1.104	1.120	1.076	1.016	0.965	1.056	6.1*
2-Nitroaniline	0.488	0.551	0.536	0.548	0.548	0.534	5.0
Dimethyl Phthalate	1.245	1.282	1.261	1.235	1.203	1.245	2.4
Acenaphthylene *	1.779	1.774	1.716	1.621	1.545	1.687	6.0*
2,6-Dinitrotoluene *	0.280	0.307	0.309	0.315	0.315	0.305	4.8*
3-Nitroaniline	0.207	0.260	0.264	0.299	0.308	0.268	14.9
Acenaphthene *	1.102	1.104	1.047	0.981	0.913	1.029	8.0*
2,4-Dinitrophenol	0.107	0.163	0.166	0.172	0.165	0.155	17.3
4-Nitrophenol	0.128	0.167	0.162	0.167	0.162	0.157	10.5
Dibenzofuran *	1.571	1.565	1.527	1.491	1.416	1.514	4.2*
2,4-Dinitrotoluene *	0.365	0.408	0.411	0.419	0.407	0.402	5.3*

* Compounds with required minimum RRF and maximum %RSD values. ✓
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration Date(s): 05/04/92 05/04/92

Calibration Times: 1831 2137

LAB FILE ID: RRF20 = HA920504B57 RRF50 = HB920504B57
RRF80 = HC920504B57 RRF120= HD920504B57 RRF160= HE920504B57

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.292	1.387	1.348	1.333	1.279	1.328	3.3
4-Chlorophenyl-phenylether *	0.607	0.623	0.612	0.580	0.541	0.593	5.5*
Fluorene *	1.227	1.257	1.202	1.166	1.096	1.190	5.2*
4-Nitroaniline	0.190	0.236	0.237	0.282	0.302	0.249	17.6
4,6-Dinitro-2-Methylphenol	0.109	0.138	0.143	0.156	0.162	0.142	14.5
N-Nitrosodiphenylamine (1)	0.505	0.411	0.496	0.519	0.545	0.495	10.2
4-Bromophenyl-phenylether *	0.216	0.217	0.218	0.213	0.218	0.216	1.0*
Hexachlorobenzene *	0.261	0.248	0.241	0.232	0.236	0.244	4.7*
Pentachlorophenol *	0.111	0.134	0.135	0.135	0.133	0.130	8.0*
Phenanthrene *	1.031	1.045	1.013	0.960	0.921	0.994	5.2*
Anthracene *	0.970	0.953	0.959	0.908	0.876	0.933	4.3*
Carbazole	0.630	0.581	0.494	0.525	0.580	0.562	9.5
Di-n-Butylphthalate	1.298	1.450	1.377	1.339	1.259	1.345	5.5
Fluoranthene *	0.932	0.955	0.918	0.872	0.860	0.907	4.4*
Pyrene *	1.449	1.509	1.383	1.339	1.250	1.386	7.2*
Butylbenzylphthalate	0.704	0.809	0.758	0.779	0.779	0.766	5.1
3,3'-Dichlorobenzidine	0.165	0.134	0.167	0.178	0.179	0.165	11.0
Benzo(a)Anthracene *	1.042	1.089	1.046	1.020	1.016	1.043	2.8*
Chrysene *	0.986	0.960	0.883	0.897	0.826	0.910	7.0*
bis(2-Ethylhexyl)Phthalate	0.997	1.124	1.051	1.097	1.088	1.071	4.6
Di-n-Octyl Phthalate	1.788	1.949	1.812	1.854	1.925	1.866	3.7
Benzo(b)Fluoranthene *	1.059	1.100	1.036	1.073	1.123	1.078	3.2*
Benzo(k)Fluoranthene *	0.973	1.027	0.935	0.842	0.807	0.917	9.9*
Benzo(a)Pyrene *	0.897	0.928	0.928	0.952	0.942	0.929	2.2*
Indeno(1,2,3-cd)Pyrene *	0.785	0.828	0.799	0.796	0.802	0.802	2.0*
Dibenz(a,h)Anthracene *	0.792	0.703	0.688	0.683	0.661	0.705	7.2*
Benzo(g,h,i)Perylene *	0.862	0.737	0.727	0.678	0.669	0.735	10.5*
Nitrobenzene-d5 *	0.464	0.474	0.440	0.438	0.426	0.448	4.4*
2-Fluorobiphenyl *	1.268	1.211	1.149	1.080	1.012	1.144	8.9*
Terphenyl-d14 *	0.988	1.031	0.922	0.893	0.844	0.936	8.0*
Phenol-d5 *	1.792	1.804	1.710	1.654	1.604	1.713	5.0*
2-Fluorophenol *	1.270	1.292	1.169	1.172	1.122	1.205	6.0*
2,4,6-Tribromophenol	0.185	0.189	0.184	0.180	0.177	0.183	2.5
2-Chlorophenol-d4 *	1.340	1.400	1.283	1.250	1.196	1.294	6.1*
1,2-Dichlorobenzene-d4 *	0.886	0.865	0.811	0.770	0.735	0.813	7.8*

(1) Cannot be separated from Diphenylamine ✓

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/08/92 Time: 2010

Lab File ID: HG920708B57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

Sample CK434

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.849	1.969	0.800	-6.5	25.0
bis(2-Chloroethyl)Ether	1.591	1.689	0.700	-6.2	25.0
2-Chlorophenol	1.356	1.454	0.800	-7.2	25.0
1,3-Dichlorobenzene	1.391	1.567	0.600	-12.6	25.0
1,4-Dichlorobenzene	1.466	1.594	0.500	-8.7	25.0
1,2-Dichlorobenzene	1.378	1.439	0.400	-4.4	25.0
2-Methylphenol	1.321	1.380	0.700	-4.5	25.0
2,2'-Oxybis(1-Chloropropane)	2.794	2.873		-2.8	
4-Methylphenol	1.340	1.447	0.600	-8.0	25.0
N-Nitroso-Di-n-Propylamine	1.512	1.491	0.500	1.4	25.0
Hexachloroethane	0.725	0.803	0.300	-10.8	25.0
Nitrobenzene	0.475	0.507	0.200	-6.7	25.0
Isophorone	0.859	0.928	0.400	-8.0	25.0
2-Nitrophenol	0.174	0.193	0.100	-10.9	25.0
2,4-Dimethylphenol	0.320	0.345	0.200	-7.8	25.0
bis(2-Chloroethoxy)Methane	0.524	0.515	0.300	1.7	25.0
2,4-Dichlorophenol	0.255	0.238	0.200	-12.9	25.0
1,2,4-Trichlorobenzene	0.281	0.299	0.200	-6.4	25.0
Naphthalene	0.931	1.016	0.700	-9.1	25.0
4-Chloroaniline	0.316	0.384		-21.5	
Hexachlorobutadiene	0.150	0.160		-6.7	
4-Chloro-3-Methylphenol	0.322	0.361	0.200	-12.1	25.0
2-Methylnaphthalene	0.584	0.659	0.400	-12.8	25.0
Hexachlorocyclopentadiene	0.345	0.367		-6.4	
2,4,6-Trichlorophenol	0.340	0.353	0.200	-3.8	25.0
2,4,5-Trichlorophenol	0.358	0.364	0.200	-1.7	25.0
2-Chloronaphthalene	1.056	1.169	0.800	-10.7	25.0
2-Nitroaniline	0.534	0.538		-0.7	
Dimethyl Phthalate	1.245	1.399		-12.4	
Acenaphthylene	1.687	1.831	1.300	-8.5	25.0
2,6-Dinitrotoluene	0.305	0.350	0.200	-14.8	25.0
3-Nitroaniline	0.268	0.302		-12.7	
Acenaphthene	1.029	1.064	0.800	-3.4	25.0
2,4-Dinitrophenol	0.155	0.165		-6.5	
4-Nitrophenol	0.157	0.180		-14.6	
Dibenzofuran	1.514	1.630	0.800	-7.7	25.0
2,4-Dinitrotoluene	0.402	0.439	0.200	-9.2	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/08/92 Time: 2010

Lab File ID: HG920708357 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.486		-11.9	
4-Chlorophenyl-phenylether	0.593	0.647	0.400	-9.1	25.0
Fluorene	1.190	1.214	0.900	-2.0	25.0
4-Nitroaniline	0.249	0.252		-1.2	
4,6-Dinitro-2-Methylphenol	0.142	0.144		-1.4	
N-Nitrosodiphenylamine (1)	0.495	0.544		-9.9	
4-Bromophenyl-phenylether	0.216	0.239	0.100	-10.6	25.0
Hexachlorobenzene	0.244	0.251	0.100	-2.9	25.0
Pentachlorophenol	0.130	0.150	0.050	-15.4	25.0
Phenanthrene	0.994	1.059	0.700	-6.5	25.0
Anthracene	0.933	1.056	0.700	-13.2	25.0
Carbazole	0.562	0.670		-19.2	
Di-n-Butylphthalate	1.345	1.534		-14.0	
Fluoranthene	0.907	1.147	0.600	-26.5	25.0
Pyrene	1.386	1.483	0.600	-7.0	25.0
Butylbenzylphthalate	0.766	0.824		-7.6	
3,3'-Dichlorobenzidine	0.165	0.224		-35.8	
Benzo(a)Anthracene	1.043	1.150	0.800	-10.3	25.0
Chrysene	0.910	1.072	0.700	-17.8	25.0
bis(2-Ethylhexyl)Phthalate	1.071	1.110		-3.6	
Di-n-Octyl Phthalate	1.866	1.855		0.6	
Benzo(b)Fluoranthene	1.078	1.166	0.700	-8.2	25.0
Benzo(k)Fluoranthene	0.917	1.122	0.700	-22.4	25.0
Benzo(a)Pyrene	0.929	1.045	0.700	-12.5	25.0
Indeno(1,2,3-cd)Pyrene	0.802	0.684	0.500	14.7	25.0
Dibenz(a,h)Anthracene	0.705	0.634	0.400	10.1	25.0
Benzo(g,h,i)Perylene	0.735	0.697	0.500	5.2	25.0
Nitrobenzene-d5	0.448	0.560	0.200	-25.0	25.0
2-Fluorobiphenyl	1.144	1.209	0.700	-5.7	25.0
Terphenyl-d14	0.936	1.006	0.500	-7.5	25.0
Phenol-d5	1.713	1.953	0.800	-14.0	25.0
2-Fluorophenol	1.205	1.542	0.600	-28.0	25.0
2,4,6-Tribromophenol	0.183	0.197		-7.6	
2-Chlorophenol-d4	1.294	1.296	0.800	-0.2	25.0
1,2-Dichlorobenzene-d4	0.813	0.918	0.400	-12.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/09/92 Time: 1030

Lab File ID: HG920709A57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Phenol	1.849	2.010	0.800	-8.7	25.0	CKY28
bis(2-Chloroethyl)Ether	1.591	1.690	0.700	-6.2	25.0	CKY31
2-Chlorophenol	1.356	1.509	0.800	-11.3	25.0	CKY35
1,3-Dichlorobenzene	1.391	1.596	0.600	-14.7	25.0	CKY36
1,4-Dichlorobenzene	1.466	1.650	0.500	-12.6	25.0	CKY38
1,2-Dichlorobenzene	1.378	1.504	0.400	-9.1	25.0	
2-Methylphenol	1.321	1.371	0.700	-3.8	25.0	
2,2'-Oxybis(1-Chloropropane)	2.794	2.879		-3.0		
4-Methylphenol	1.340	1.424	0.600	-6.3	25.0	
N-Nitroso-Di-n-Propylamine	1.512	1.490	0.500	1.5	25.0	
Hexachloroethane	0.725	0.845	0.300	-16.6	25.0	
Nitrobenzene	0.475	0.552	0.200	-16.2	25.0	
Isophorone	0.859	0.956	0.400	-11.3	25.0	
2-Nitrophenol	0.174	0.197	0.100	-13.2	25.0	
2,4-Dimethylphenol	0.320	0.359	0.200	-12.2	25.0	
bis(2-Chloroethoxy)Methane	0.524	0.517	0.300	1.3	25.0	
2,4-Dichlorophenol	0.255	0.292	0.200	-14.5	25.0	
1,2,4-Trichlorobenzene	0.281	0.300	0.200	-6.8	25.0	
Naphthalene	0.931	1.032	0.700	-10.8	25.0	
4-Chloroaniline	0.316	0.367		-16.1		
Hexachlorobutadiene	0.150	0.162		-8.0		
4-Chloro-3-Methylphenol	0.322	0.368	0.200	-14.3	25.0	
2-Methylnaphthalene	0.584	0.676	0.400	-15.8	25.0	
Hexachlorocyclopentadiene	0.345	0.364		-5.5		
2,4,6-Trichlorophenol	0.340	0.352	0.200	-3.5	25.0	
2,4,5-Trichlorophenol	0.358	0.364	0.200	-1.7	25.0	
2-Chloronaphthalene	1.056	1.193	0.800	-13.0	25.0	
2-Nitroaniline	0.534	0.551		-3.2		
Dimethyl Phthalate	1.245	1.392		-11.8		
Acenaphthylene	1.687	1.864	1.300	-10.5	25.0	
2,6-Dinitrotoluene	0.305	0.342	0.200	-12.1	25.0	
3-Nitroaniline	0.268	0.282		-5.2		
Acenaphthene	1.029	1.113	0.800	-8.2	25.0	
2,4-Dinitrophenol	0.155	0.150		3.2		
4-Nitrophenol	0.157	0.185		-17.8		
Dibenzofuran	1.514	1.783	0.800	-17.8	25.0	
2,4-Dinitrotoluene	0.402	0.428	0.200	-6.5	25.0	

(1) Cannot be separated from Diphenylamine ✓

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: F50057 Calibration date: 07/09/92 Time: 1030

Lab File ID: HG920709A57 Init. Calib. Date(s): 05/04/92 05/04/92

Init. Calib. Times: 1831 2137

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.328	1.709		-28.7	
4-Chlorophenyl-phenylether	0.593	0.692	0.400	-16.7	25.0
Fluorene	1.190	1.340	0.900	-12.6	25.0
4-Nitroaniline	0.249	0.271		-8.8	
4,6-Dinitro-2-Methylphenol	0.142	0.145		-2.1	
N-Nitrosodiphenylamine (1)	0.495	0.563		-13.7	
4-Bromophenyl-phenylether	0.216	0.238	0.100	-10.2	25.0
Hexachlorobenzene	0.244	0.258	0.100	-5.7	25.0
Pentachlorophenol	0.130	0.152	0.050	-16.9	25.0
Phenanthrene	0.994	1.076	0.700	-8.2	25.0
Anthracene	0.933	1.053	0.700	-12.9	25.0
Carbazole	0.562	0.658		-17.1	
Di-n-Butylphthalate	1.345	1.588		-18.1	
Fluoranthene	0.907	1.134	0.600	-25.0	25.0
Pyrene	1.386	1.423	0.600	-2.7	25.0
Butylbenzylphthalate	0.766	0.793		-3.5	
3,3'-Dichlorobenzidine	0.165	0.264		-60.0	
Benzo(a)Anthracene	1.043	1.120	0.800	-7.4	25.0
Chrysene	0.910	1.034	0.700	-13.6	25.0
bis(2-Ethylhexyl)Phthalate	1.071	1.006		6.1	
Di-n-Octyl Phthalate	1.866	1.457		21.9	
Benzo(b)Fluoranthene	1.078	1.145	0.700	-6.2	25.0
Benzo(k)Fluoranthene	0.917	1.011	0.700	-10.2	25.0
Benzo(a)Pyrene	0.929	1.033	0.700	-11.2	25.0
Indeno(1,2,3-cd)Pyrene	0.802	0.850	0.500	-6.0	25.0
Dibenz(a,h)Anthracene	0.705	0.740	0.400	-5.0	25.0
Benzo(g,h,i)Perylene	0.735	0.808	0.500	-9.9	25.0
Nitrobenzene-d5	0.448	0.618	0.200	-38.0	25.0
2-Fluorobiphenyl	1.144	1.238	0.700	-8.2	25.0
Terphenyl-d14	0.936	0.965	0.500	-3.1	25.0
Phenol-d5	1.713	1.984	0.800	-15.8	25.0
2-Fluorophenol	1.205	1.534	0.600	-27.3	25.0
2,4,6-Tribromophenol	0.183	0.199		-8.7	
2-Chlorophenol-d4	1.294	1.280	0.800	1.1	25.0
1,2-Dichlorobenzene-d4	0.813	0.942	0.400	-15.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

SAMPLE DATA PACKAGE

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration Date(s): 06/11/92 06/11/92

Calibration Times: 1923 2357

LAB FILE ID: RRF20 = HI920611B15 RRF50 = HG920611B15
RRF80 = HK920611B15 RRF120= HJ920611B15 RRF160= HH920611B15

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.533	1.555	1.566	1.610	1.493	1.551	2.8*
bis(2-Chloroethyl)Ether *	1.374	1.427	1.421	1.451	1.492	1.433	3.0*
2-Chlorophenol *	1.324	1.379	1.380	1.205	1.383	1.334	5.7*
1,3-Dichlorobenzene *	1.454	1.443	1.422	1.502	1.445	1.453	2.0*
1,4-Dichlorobenzene *	1.566	1.547	1.508	1.565	1.559	1.549	1.6*
1,2-Dichlorobenzene *	1.430	1.396	1.402	1.464	1.420	1.422	1.9*
2-Methylphenol *	1.073	1.119	1.189	1.184	1.171	1.147	4.4*
2,2'-Oxybis(1-Chloropropane	1.524	1.640	1.720	1.749	1.901	1.707	8.2
4-Methylphenol *	1.088	1.191	1.200	1.247	1.238	1.193	5.3*
N-Nitroso-Di-n-Propylamine *	1.016	1.116	1.126	1.168	1.204	1.126	6.3*
Hexachloroethane *	0.873	0.842	0.882	0.903	0.852	0.870	2.8*
Nitrobenzene *	0.418	0.467	0.463	0.469	0.500	0.463	6.3*
Isophorone *	0.745	0.872	0.860	0.884	0.930	0.858	8.0*
2-Nitrophenol *	0.171	0.197	0.194	0.191	0.199	0.190	5.9*
2,4-Dimethylphenol *	0.359	0.354	0.394	0.382	0.398	0.377	5.3*
bis(2-Chloroethoxy)Methane *	0.487	0.522	0.530	0.539	0.541	0.524	4.2*
2,4-Dichlorophenol *	0.260	0.299	0.297	0.305	0.304	0.293	6.4*
1,2,4-Trichlorobenzene *	0.314	0.326	0.323	0.329	0.335	0.325	2.4*
Naphthalene *	1.033	1.061	1.089	1.101	1.048	1.066	2.6*
4-Chloroaniline	0.324	0.100	0.346	0.311	0.360	0.288	37.1
Hexachlorobutadiene	0.188	0.187	0.193	0.193	0.199	0.192	2.5
4-Chloro-3-Methylphenol *	0.265	0.317	0.310	0.311	0.338	0.308	8.7*
2-Methylnaphthalene *	0.623	0.663	0.672	0.677	0.693	0.666	3.9*
Hexachlorocyclopentadiene	0.343	0.363	0.418	0.437	0.460	0.404	12.3
2,4,6-Trichlorophenol *	0.320	0.374	0.377	0.380	0.424	0.375	9.8*
2,4,5-Trichlorophenol *	0.318	0.354	0.361	0.360	0.361	0.351	5.3*
2-Chloronaphthalene *	1.187	1.208	1.280	1.273	1.285	1.247	3.7*
2-Nitroaniline	0.238	0.339	0.352	0.358	0.412	0.340	18.6
Dimethyl Phthalate	1.185	1.295	1.316	1.269	1.340	1.281	4.7
Acenaphthylene *	1.782	1.906	2.017	1.988	2.049	1.948	5.5*
2,6-Dinitrotoluene *	0.205	0.262	0.261	0.260	0.285	0.255	11.6*
3-Nitroaniline	0.157	0.194	0.206	0.188	0.193	0.188	9.8
Acenaphthene *	1.109	1.135	1.172	1.177	1.211	1.161	3.4*
2,4-Dinitrophenol	0.052	0.094	0.096	0.105	0.128	0.095	29.0
4-Nitrophenol	0.118	0.167	0.193	0.195	0.195	0.174	19.1
Dibenzofuran *	1.483	1.548	1.547	1.548	1.624	1.550	3.2*
2,4-Dinitrotoluene *	0.259	0.321	0.325	0.321	0.348	0.315	10.5*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration Date(s): 06/11/92 06/11/92

Calibration Times: 1923 2357

LAB FILE ID: RRF20 = HI920611B15 RRF50 = HG920611B15
RRF80 = HK920611B15 RRF120= HJ920611B15 RRF160= HH920611B15

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.276	1.425	1.442	1.413	1.463	1.404	5.3
4-Chlorophenyl-phenylether *	0.490	0.525	0.539	0.549	0.584	0.537	6.4*
Fluorene *	1.104	1.201	1.226	1.232	1.286	1.210	5.5*
4-Nitroaniline	0.131	0.160	0.174	0.162	0.155	0.156	10.1
4,6-Dinitro-2-Methylphenol	0.090	0.122	0.131	0.134	0.147	0.125	17.1
N-Nitrosodiphenylamine (1)	0.603	0.463	0.672	0.647	0.619	0.601	13.6
4-Bromophenyl-phenylether *	0.200	0.216	0.218	0.217	0.219	0.214	3.7*
Hexachlorobenzene *	0.281	0.279	0.280	0.271	0.285	0.279	1.8*
Pentachlorophenol *	0.075	0.111	0.113	0.124	0.133	0.111	19.9*
Phenanthrene *	1.237	1.223	1.302	1.271	1.308	1.268	3.0*
Anthracene *	1.060	0.996	1.113	1.121	1.079	1.074	4.7*
Carbazole	0.741	0.760	0.862	0.820	0.753	0.787	6.6
Di-n-Butylphthalate	1.437	1.685	1.744	1.778	1.688	1.666	8.0
Fluoranthene *	0.744	0.863	0.918	0.913	0.908	0.869	8.4*
Pyrene *	2.037	2.283	2.118	2.138	2.148	2.145	4.1*
Butylbenzylphthalate	0.865	1.207	1.109	1.132	1.172	1.097	12.3
3,3'-Dichlorobenzidine	0.166	0.142	0.216	0.220	0.216	0.192	18.6
Benzo(a)Anthracene *	1.135	1.216	1.219	1.219	1.266	1.211	3.9*
Chrysene *	1.188	1.168	1.111	1.148	1.029	1.129	5.5*
bis(2-Ethylhexyl)Phthalate	1.057	1.509	1.422	1.542	1.549	1.416	14.6
Di-n-Octyl Phthalate	2.284	2.993	2.770	2.727	2.659	2.687	9.6
Benzo(b)Fluoranthene *	1.190	1.376	1.218	1.451	1.401	1.327	8.7*
Benzo(k)Fluoranthene *	1.273	1.161	1.226	0.915	0.850	1.085	17.6*
Benzo(a)Pyrene *	0.952	1.037	1.081	1.090	1.029	1.038	5.3*
Indeno(1,2,3-cd)Pyrene *	0.881	1.106	1.160	1.171	1.060	1.076	10.9*
Dibenz(a,h)Anthracene *	0.669	0.898	0.958	0.961	0.907	0.879	13.7*
Benzo(g,h,i)Perylene *	0.741	1.009	1.023	1.044	0.935	0.950	13.1*
Nitrobenzene-d5 *	0.393	0.470	0.467	0.469	0.508	0.461	9.1*
2-Fluorobiphenyl *	1.417	1.401	1.481	1.488	1.495	1.456	3.0*
Terphenyl-d14 *	1.044	1.146	1.110	1.101	1.130	1.106	3.5*
Phenol-d5 *	1.466	1.585	1.569	1.573	1.641	1.567	4.0*
2-Fluorophenol *	1.320	1.421	1.363	1.368	1.412	1.377	3.0*
2,4,6-Tribromophenol	0.085	0.116	0.112	0.117	0.132	0.112	15.3
2-Chlorophenol-d4 *	1.135	1.210	1.210	1.251	1.228	1.207	3.6*
1,2-Dichlorobenzene-d4 *	0.987	0.928	0.941	0.949	0.918	0.945	2.8*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration date: 07/01/92 Time: 1718

Lab File ID: HG920701B15 Init. Calib. Date(s): 06/11/92 06/11/92

Init. Calib. Times: 1923 2357

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Samples
Phenol	1.551	1.849	0.800	-19.2	25.0	CK430
bis(2-Chloroethyl)Ether	1.433	1.730	0.700	-20.7	25.0	CK432
2-Chlorophenol	1.334	1.431	0.800	-7.3	25.0	CK432MS
1,3-Dichlorobenzene	1.453	1.558	0.600	-7.2	25.0	
1,4-Dichlorobenzene	1.549	1.523	0.500	1.7	25.0	CK432MSD
1,2-Dichlorobenzene	1.422	1.382	0.400	2.8	25.0	
2-Methylphenol	1.147	1.171	0.700	-2.1	25.0	CK433
2,2'-Oxybis(1-Chloropropane)	1.707	3.076		-80.2		CK437
4-Methylphenol	1.193	1.293	0.600	-8.4	25.0	
N-Nitroso-Di-n-Propylamine	1.126	1.375	0.500	-22.1	25.0	
Hexachloroethane	0.870	0.665	0.300	23.6	25.0	
Nitrobenzene	0.463	0.476	0.200	-2.8	25.0	
Isophorone	0.858	0.909	0.400	-5.9	25.0	
2-Nitrophenol	0.190	0.204	0.100	-7.4	25.0	
2,4-Dimethylphenol	0.377	0.301	0.200	20.2	25.0	
bis(2-Chloroethoxy)Methane	0.524	0.599	0.300	-14.3	25.0	
2,4-Dichlorophenol	0.293	0.301	0.200	-2.7	25.0	
1,2,4-Trichlorobenzene	0.325	0.337	0.200	-3.7	25.0	
Naphthalene	1.066	1.024	0.700	3.9	25.0	
4-Chloroaniline	0.288	0.256		11.1		
Hexachlorobutadiene	0.192	0.169		12.0		
4-Chloro-3-Methylphenol	0.308	0.299	0.200	2.9	25.0	
2-Methylnaphthalene	0.666	0.639	0.400	4.1	25.0	
Hexachlorocyclopentadiene	0.404	0.376		6.9		
2,4,6-Trichlorophenol	0.375	0.416	0.200	-10.9	25.0	
2,4,5-Trichlorophenol	0.351	0.431	0.200	-22.8	25.0	
2-Chloronaphthalene	1.247	1.241	0.800	0.5	25.0	
2-Nitroaniline	0.340	0.436		-28.2		
Dimethyl Phthalate	1.281	1.274		0.5		
Acenaphthylene	1.948	1.918	1.300	1.5	25.0	
2,6-Dinitrotoluene	0.255	0.281	0.200	-10.2	25.0	
3-Nitroaniline	0.188	0.259		-37.8		
Acenaphthene	1.161	1.156	0.800	0.4	25.0	
2,4-Dinitrophenol	0.095	0.136		-43.2		
4-Nitrophenol	0.174	0.085		51.2		
Dibenzofuran	1.550	1.557	0.800	-0.5	25.0	
2,4-Dinitrotoluene	0.315	0.345	0.200	-9.5	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA15 Calibration date: 07/01/92 Time: 1718

Lab File ID: HG920701B15 Init. Calib. Date(s): 06/11/92 06/11/92

Init. Calib. Times: 1923 2357

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.404	1.312		6.6	
4-Chlorophenyl-phenylether	0.537	0.612	0.400	-14.0	25.0
Fluorene	1.210	1.219	0.900	-0.7	25.0
4-Nitroaniline	0.156	0.241		-54.5	
4,6-Dinitro-2-Methylphenol	0.125	0.139		-11.2	
N-Nitrosodiphenylamine (1)	0.601	0.367		38.9	
4-Bromophenyl-phenylether	0.214	0.205	0.100	4.2	25.0
Hexachlorobenzene	0.279	0.252	0.100	9.7	25.0
Pentachlorophenol	0.111	0.123	0.050	-10.8	25.0
Phenanthrene	1.268	1.147	0.700	9.5	25.0
Anthracene	1.074	1.087	0.700	-1.2	25.0
Carbazole	0.787	0.876		-11.3	
Di-n-Butylphthalate	1.666	1.527		8.3	
Fluoranthene	0.869	0.986	0.600	-13.5	25.0
Pyrene	2.145	1.874	0.600	12.6	25.0
Butylbenzylphthalate	1.097	0.889		19.0	
3,3'-Dichlorobenzidine	0.192	0.174		9.4	
Benzo(a)Anthracene	1.211	1.199	0.800	1.0	25.0
Chrysene	1.129	1.039	0.700	8.0	25.0
bis(2-Ethylhexyl)Phthalate	1.416	1.174		17.1	
Di-n-Octyl Phthalate	2.687	2.130		20.7	
Benzo(b)Fluoranthene	1.327	1.133	0.700	14.6	25.0
Benzo(k)Fluoranthene	1.085	1.144	0.700	-5.4	25.0
Benzo(a)Pyrene	1.038	0.968	0.700	6.7	25.0
Indeno(1,2,3-cd)Pyrene	1.076	0.916	0.500	14.9	25.0
Dibenz(a,h)Anthracene	0.879	0.806	0.400	8.3	25.0
Benzo(g,h,i)Perylene	0.950	0.812	0.500	14.5	25.0
Nitrobenzene-d5	0.461	0.473	0.200	-2.6	25.0
2-Fluorobiphenyl	1.456	1.447	0.700	0.6	25.0
Terphenyl-d14	1.106	1.006	0.500	9.0	25.0
Phenol-d5	1.567	1.758	0.800	-12.2	25.0
2-Fluorophenol	1.377	1.376	0.600	0.1	25.0
2,4,6-Tribromophenol	0.112	0.132		-17.9	
2-Chlorophenol-d4	1.207	1.301	0.800	-7.8	25.0
1,2-Dichlorobenzene-d4	0.945	0.873	0.400	7.6	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010. ✓

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKV28

Instrument ID: OWA05 Calibration Date(s): 06/11/92 06/12/92

Calibration Times: 2352 0249

LAB FILE ID: RRF20 = HI920612C05 RRF50 = HG920611B05
RRF80 = HK920612C05 RRF120= HJ920612C05 RRF160= HH920612C05

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.822	1.846	1.846	1.822	1.740	1.815	2.4*
bis(2-Chloroethyl)Ether *	1.608	1.626	1.593	1.557	1.526	1.582	2.5*
2-Chlorophenol *	1.506	1.480	1.455	1.428	1.448	1.463	2.1*
1,3-Dichlorobenzene *	1.590	1.499	1.482	1.486	1.501	1.512	2.9*
1,4-Dichlorobenzene *	1.600	1.542	1.542	1.529	1.593	1.561	2.1*
1,2-Dichlorobenzene *	1.437	1.362	1.355	1.387	1.461	1.400	3.3*
2-Methylphenol *	1.399	1.434	1.377	1.370	1.325	1.381	2.9*
2,2'-Oxybis(1-Chloropropane	2.201	2.145	2.178	2.098	1.960	2.116	4.5
4-Methylphenol *	1.449	1.404	1.417	1.392	1.334	1.399	3.0*
N-Nitroso-Di-n-Propylamine *	1.129	1.126	1.168	1.118	1.103	1.129	2.1*
Hexachloroethane *	0.915	0.914	0.911	0.906	0.926	0.914	0.8*
Nitrobenzene *	0.470	0.476	0.468	0.456	0.464	0.467	1.6*
Isophorone *	0.870	0.889	0.874	0.857	0.894	0.877	1.7*
2-Nitrophenol *	0.198	0.193	0.192	0.190	0.203	0.195	2.7*
2,4-Dimethylphenol *	0.394	0.410	0.387	0.370	0.424	0.397	5.2*
bis(2-Chloroethoxy)Methane *	0.561	0.549	0.538	0.520	0.520	0.538	3.3*
2,4-Dichlorophenol *	0.316	0.312	0.300	0.301	0.312	0.308	2.3*
1,2,4-Trichlorobenzene *	0.336	0.323	0.309	0.311	0.335	0.323	4.0*
Naphthalene *	1.103	1.034	1.001	0.996	1.052	1.037	4.2*
4-Chloroaniline	0.455	0.438	0.430	0.360	0.405	0.418	8.8
Hexachlorobutadiene	0.238	0.220	0.214	0.204	0.212	0.218	5.9
4-Chloro-3-Methylphenol *	0.364	0.356	0.361	0.357	0.374	0.362	2.0*
2-Methylnaphthalene *	0.718	0.673	0.652	0.669	0.738	0.690	5.3*
Hexachlorocyclopentadiene	0.492	0.466	0.444	0.460	0.464	0.465	3.7
2,4,6-Trichlorophenol *	0.424	0.389	0.388	0.393	0.401	0.399	3.7*
2,4,5-Trichlorophenol *	0.444	0.418	0.382	0.372	0.345	0.392	10.0*
2-Chloronaphthalene *	1.282	1.140	1.102	1.112	1.177	1.163	6.3*
2-Nitroaniline	0.493	0.479	0.526	0.533	0.530	0.512	4.8
Dimethyl Phthalate	1.492	1.335	1.315	1.305	1.328	1.355	5.7
Acenaphthylene *	1.992	1.823	1.718	1.763	1.854	1.830	5.7*
2,6-Dinitrotoluene *	0.281	0.285	0.276	0.285	0.276	0.281	1.6*
3-Nitroaniline	0.322	0.306	0.337	0.337	0.325	0.325	3.9
Acenaphthene *	1.188	1.026	0.972	1.038	1.117	1.068	7.9*
2,4-Dinitrophenol	0.128	0.141	0.143	0.158	0.172	0.148	11.4
4-Nitrophenol	0.310	0.357	0.404	0.441	0.432	0.389	14.1
Dibenzofuran *	1.759	1.567	1.483	1.557	1.638	1.601	6.5*
2,4-Dinitrotoluene *	0.389	0.346	0.358	0.386	0.412	0.378	7.0*

Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: CWA05 Calibration Date(s): 06/11/92 06/12/92

Calibration Times: 2352 0249

LAB FILE ID: RRF20 = HI920612C05 RRF50 = HG920611B05
RRF80 = HK920612C05 RRF120= HJ920612C05 RRF160= HH920612C05

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.657	1.593	1.522	1.560	1.578	1.582	3.1
4-Chlorophenyl-phenylether *	0.740	0.647	0.595	0.588	0.608	0.636	9.9*
Fluorene *	1.409	1.278	1.176	1.242	1.315	1.284	6.8*
4-Nitroaniline	0.282	0.289	0.308	0.314	0.308	0.300	4.6
4,6-Dinitro-2-Methylphenol	0.133	0.147	0.147	0.142	0.137	0.141	4.[illegible]
N-Nitrosodiphenylamine (1)	0.688	0.595	0.583	0.582	0.591	0.608	7.4
4-Bromophenyl-phenylether *	0.271	0.238	0.224	0.217	0.215	0.233	9.9*
Hexachlorobenzene *	0.296	0.259	0.243	0.242	0.239	0.256	9.3*
Pentachlorophenol *	0.166	0.153	0.152	0.157	0.145	0.155	5.0*
Phenanthrene *	1.231	1.091	1.033	1.105	1.140	1.120	6.5*
Anthracene *	1.260	1.073	1.047	0.969	0.954	1.061	11.5*
Carbazole	0.994	0.887	0.857	0.850	0.786	0.875	8.7
Di-n-Butylphthalate	1.642	1.532	1.544	1.530	1.461	1.542	4.2
Fluoranthene *	1.156	0.984	0.938	0.937	0.908	0.985	10.1*
Pyrene *	1.750	1.584	1.479	1.324	1.439	1.515	10.6*
Butylbenzylphthalate	0.613	0.685	0.763	0.769	0.809	0.728	10.8
3,3'-Dichlorobenzidine	0.221	0.238	0.249	0.233	0.245	0.237	4.6
Benzo(a)Anthracene *	1.151	1.134	1.138	1.104	1.082	1.122	2.5*
Chrysene *	1.177	1.150	1.067	0.957	0.980	1.066	9.2*
bis(2-Ethylhexyl)Phthalate	0.836	0.949	1.005	1.044	0.809	0.929	11.1
Di-n-Octyl Phthalate	1.438	1.543	1.682	1.759	1.759	1.636	8.[illegible]
Benzo(b)Fluoranthene *	1.359	1.480	1.329	1.257	1.120	1.309	10.2*
Benzo(k)Fluoranthene *	1.124	1.081	0.881	0.829	0.845	0.952	14.6*
Benzo(a)Pyrene *	1.083	1.122	1.046	1.025	0.989	1.053	4.9*
Indeno(1,2,3-cd)Pyrene *	0.626	1.081	0.992	0.918	0.897	0.903	18.9*
Dibenz(a,h)Anthracene *	0.794	0.891	0.830	0.795	0.808	0.824	4.9*
Benzo(g,h,i)Perylene *	0.847	0.968	0.884	0.831	0.880	0.882	6.0*
Nitrobenzene-d5 *	0.462	0.471	0.485	0.477	0.491	0.477	2.4*
2-Fluorobiphenyl *	1.469	1.294	1.237	1.271	1.330	1.320	6.8*
Terphenyl-d14 *	1.163	1.027	0.891	0.849	0.899	0.966	13.3*
Phenol-d5 *	1.782	1.816	1.876	1.819	1.775	1.814	2.2*
2-Fluorophenol *	1.427	1.513	1.525	1.541	1.572	1.516	3.6*
2,4,6-Tribromophenol	0.177	0.173	0.164	0.172	0.164	0.170	3.4
2-Chlorophenol-d4 *	1.327	1.295	1.315	1.294	1.292	1.305	1.2*
1,2-Dichlorobenzene-d4 *	0.969	0.916	0.907	0.911	0.936	0.928	2.8*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration date: 07/14/92 Time: 2324

Lab File ID: HG920714B05 Init. Calib. Date(s): 06/11/92 06/12/92

Init. Calib. Times: 2352 0249

Sample CKY29

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.815	1.453	0.800	19.9	25.0
bis(2-Chloroethyl)Ether	1.582	1.344	0.700	15.0	25.0
2-Chlorophenol	1.463	1.289	0.800	11.9	25.0
1,3-Dichlorobenzene	1.512	1.472	0.600	2.6	25.0
1,4-Dichlorobenzene	1.561	1.460	0.500	6.5	25.0
1,2-Dichlorobenzene	1.400	1.303	0.400	6.9	25.0
2-Methylphenol	1.381	1.056	0.700	23.5	25.0 ✓
2,2'-Oxybis(1-Chloropropane)	2.116	1.273		39.8	
4-Methylphenol	1.399	1.110	0.600	20.7	25.0
N-Nitroso-Di-n-Propylamine	1.129	1.019	0.500	9.7	25.0
Hexachloroethane	0.914	0.711	0.300	22.2	25.0
Nitrobenzene	0.467	0.406	0.200	13.1	25.0
Isophorone	0.877	0.758	0.400	13.6	25.0
2-Nitrophenol	0.195	0.189	0.100	3.1	25.0
2,4-Dimethylphenol	0.397	0.297	0.200	25.2	25.0 ✓
bis(2-Chloroethoxy)Methane	0.538	0.449	0.300	16.5	25.0
2,4-Dichlorophenol	0.308	0.308	0.200	0.0	25.0
1,2,4-Trichlorobenzene	0.323	0.331	0.200	-2.5	25.0
Naphthalene	1.037	0.928	0.700	10.5	25.0
4-Chloroaniline	0.418	0.368		12.0	
Hexachlorobutadiene	0.218	0.219		-0.5	
4-Chloro-3-Methylphenol	0.362	0.335	0.200	7.5	25.0
2-Methylnaphthalene	0.690	0.614	0.400	11.0	25.0
Hexachlorocyclopentadiene	0.465	0.309		33.6	
2,4,6-Trichlorophenol	0.399	0.416	0.200	-4.3	25.0
2,4,5-Trichlorophenol	0.392	0.444	0.200	-13.3	25.0
2-Chloronaphthalene	1.163	1.109	0.800	4.6	25.0
2-Nitroaniline	0.512	0.438		14.4	
Dimethyl Phthalate	1.355	1.356		-0.1	
Acenaphthylene	1.830	1.718	1.300	6.1	25.0
2,6-Dinitrotoluene	0.281	0.318	0.200	-13.2	25.0
3-Nitroaniline	0.325	0.291		10.5	
Acenaphthene	1.068	1.015	0.800	5.0	25.0
2,4-Dinitrophenol	0.148	0.102		31.1	
4-Nitrophenol	0.389	0.147		62.2	
Dibenzofuran	1.601	1.491	0.800	6.9	25.0
2,4-Dinitrotoluene	0.378	0.428	0.200	-13.2	25.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Instrument ID: OWA05 Calibration date: 07/14/92 Time: 2324

Lab File ID: HG920714B05 Init. Calib. Date(s): 06/11/92 06/12/92

Init. Calib. Times: 2352 0249

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Diethylphthalate	1.582	1.447		8.5		
4-Chlorophenyl-phenylether	0.636	0.626	0.400	1.6	25.0	
Fluorene	1.284	1.126	0.900	12.3	25.0	Sample
4-Nitroaniline	0.300	0.254		15.3		
4,6-Dinitro-2-Methylphenol	0.141	0.095		32.6		
N-Nitrosodiphenylamine (1)	0.608	0.499		17.9		CKY
4-Bromophenyl-phenylether	0.233	0.230	0.100	1.3	25.0	
Hexachlorobenzene	0.256	0.312	0.100	-21.9	25.0	
Pentachlorophenol	0.155	0.150	0.050	3.2	25.0	
Phenanthrene	1.120	0.954	0.700	14.8	25.0	
Anthracene	1.061	0.944	0.700	11.0	25.0	
Carbazole	0.875	0.746		14.7		
Di-n-Butylphthalate	1.542	1.343		12.9		
Fluoranthene	0.985	0.888	0.600	9.8	25.0	
Pyrene	1.515	1.536	0.600	-1.4	25.0	
Butylbenzylphthalate	0.728	0.775		-6.5		
3,3'-Dichlorobenzidine	0.237	0.343		-44.7		
Benzo(a)Anthracene	1.122	1.102	0.800	1.8	25.0	
Chrysene	1.066	1.017	0.700	4.6	25.0	
bis(2-Ethylhexyl)Phthalate	0.929	1.060		-14.1		
Di-n-Octyl Phthalate	1.636	1.829		-11.8		
Benzo(b)Fluoranthene	1.309	1.066	0.700	18.6	25.0	
Benzo(k)Fluoranthene	0.952	1.070	0.700	-12.4	25.0	
Benzo(a)Pyrene	1.053	1.014	0.700	3.7	25.0	
Indeno(1,2,3-cd)Pyrene	0.903	0.749	0.500	17.0	25.0	
Dibenz(a,h)Anthracene	0.824	0.704	0.400	14.6	25.0	
Benzo(g,h,i)Perylene	0.882	0.570	0.500	35.4	25.0	✓
Nitrobenzene-d5	0.477	0.419	0.200	12.2	25.0	
2-Fluorobiphenyl	1.320	1.209	0.700	8.4	25.0	
Terphenyl-d14	0.966	1.016	0.500	-5.2	25.0	
Phenol-d5	1.814	1.527	0.800	15.8	25.0	
2-Fluorophenol	1.516	1.147	0.600	24.3	25.0	
2,4,6-Tribromophenol	0.170	0.236		-38.8		
2-Chlorophenol-d4	1.305	1.177	0.800	9.8	25.0	
1,2-Dichlorobenzene-d4	0.923	0.904	0.400	2.6	25.0	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CK714

Instrument ID: OWA07 Calibration Date(s): 06/15/92 06/15/92

Calibration Times: 1826 2119

LAB FILE ID: RRF20 = HI920615B07 RRF50 = HG920615B07
RRF80 = HK920615B07 RRF120= HJ920615B07 RRF160= HH920615B07

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	2.070	1.797	1.751	1.754	1.717	1.818	7.9*
bis(2-Chloroethyl)Ether *	1.774	1.498	1.473	1.521	1.520	1.557	7.9*
2-Chlorophenol *	1.759	1.454	1.426	1.406	1.341	1.477	11.0*
1,3-Dichlorobenzene *	1.956	1.616	1.532	1.521	1.505	1.626	11.6*
1,4-Dichlorobenzene *	1.966	1.591	1.518	1.528	1.459	1.612	12.6*
1,2-Dichlorobenzene *	1.865	1.407	1.357	1.335	1.259	1.445	16.7*
2-Methylphenol *	1.464	1.204	1.212	1.187	1.209	1.255	9.3*
2,2'-Oxybis(1-Chloropropane)	2.004	1.728	1.605	1.614	1.733	1.737	9.3
4-Methylphenol *	1.516	1.350	1.333	1.340	1.332	1.374	5.8*
N-Nitroso-Di-n-Propylamine *	1.087	0.991	0.928	0.965	0.990	0.992	5.9*
Hexachloroethane *	0.862	0.710	0.703	0.705	0.738	0.744	9.1*
Nitrobenzene *	0.395	0.332	0.335	0.321	0.365	0.350	8.6*
Isophorone *	0.805	0.706	0.726	0.677	0.735	0.730	6.5*
2-Nitrophenol *	0.235	0.198	0.200	0.195	0.202	0.206	8.0*
2,4-Dimethylphenol *	0.392	0.312	0.307	0.294	0.331	0.327	11.8*
bis(2-Chloroethoxy)Methane *	0.544	0.477	0.492	0.473	0.513	0.500	5.9*
2,4-Dichlorophenol *	0.349	0.291	0.296	0.284	0.288	0.302	8.9*
1,2,4-Trichlorobenzene *	0.391	0.296	0.298	0.284	0.299	0.314	13.9*
Naphthalene *	1.309	1.008	1.000	0.882	0.919	1.024	16.4*
4-Chloroaniline	0.268	0.146	0.123	0.140	0.171	0.170	33.9
Hexachlorobutadiene	0.190	0.152	0.146	0.142	0.152	0.156	12.3
4-Chloro-3-Methylphenol *	0.298	0.266	0.275	0.273	0.310	0.284	6.6*
2-Methylnaphthalene *	0.849	0.701	0.716	0.665	0.665	0.719	10.6*
Hexachlorocyclopentadiene	0.346	0.334	0.315	0.327	0.356	0.336	4.8
2,4,6-Trichlorophenol *	0.487	0.389	0.372	0.373	0.380	0.400	12.2*
2,4,5-Trichlorophenol *	0.482	0.384	0.380	0.379	0.375	0.400	11.5*
2-Chloronaphthalene *	1.646	1.242	1.245	1.244	1.187	1.313	14.3*
2-Nitroaniline	0.343	0.308	0.301	0.289	0.292	0.307	7.1
Dimethyl Phthalate	1.698	1.341	1.331	1.318	1.282	1.394	12.3
Acenaphthylene *	2.522	1.943	1.951	1.820	1.810	2.009	14.6*
2,6-Dinitrotoluene *	0.337	0.289	0.290	0.286	0.282	0.297	7.6*
3-Nitroaniline	0.111	0.048	0.020	0.014	0.028	0.044	89.7
Acenaphthene *	1.414	1.139	1.148	1.161	1.131	1.199	10.1*
2,4-Dinitrophenol	0.115	0.120	0.126	0.138	0.146	0.129	9.9
4-Nitrophenol	0.151	0.122	0.118	0.124	0.131	0.129	10.1
Dibenzofuran *	2.068	1.570	1.567	1.508	1.448	1.632	15.2*
2,4-Dinitrotoluene *	0.429	0.374	0.376	0.386	0.390	0.391	5.7*

Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration Date(s): 06/15/92 06/15/92

Calibration Times: 1826 2119

LAB FILE ID: RRF20 = HI920615B07 RRF50 = HG920615B07
RRF80 = HK920615B07 RRF120= HJ920615B07 RRF160= HH920615B07

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate		1.715	1.374	1.362	1.364	1.371	1.437	10.8
4-Chlorophenyl-phenylether	*	0.714	0.594	0.579	0.576	0.580	0.609	9.7*
Fluorene	*	1.582	1.272	1.281	1.248	1.216	1.320	11.[illegible]
4-Nitroaniline		0.252	0.141	0.124	0.095	0.093	0.141	46.3
4,6-Dinitro-2-Methylphenol		0.138	0.118	0.126	0.124	0.124	0.126	5.8
N-Nitrosodiphenylamine (1)		0.743	0.441	0.493	0.452	0.419	0.510	26.1
4-Bromophenyl-phenylether	*	0.260	0.204	0.214	0.208	0.206	0.218	10.8*
Hexachlorobenzene	*	0.325	0.264	0.257	0.253	0.251	0.270	11.5*
Pentachlorophenol	*	0.121	0.112	0.114	0.113	0.122	0.116	4.1*
Phenanthrene	*	1.423	1.155	1.212	1.144	1.123	1.211	10.1*
Anthracene	*	1.417	1.079	1.119	1.035	0.949	1.120	15.9*
Carbazole		0.957	0.695	0.633	0.576	0.542	0.681	24.2
Di-n-Butylphthalate		1.944	1.632	1.676	1.572	1.494	1.664	10.3
Fluoranthene	*	1.195	0.986	1.027	0.985	0.956	1.030	9.3*
Pyrene	*	2.716	2.096	2.104	1.974	1.989	2.176	14.2*
Butylbenzylphthalate		1.347	1.184	1.188	1.127	1.190	1.207	6.8
3,3'-Dichlorobenzidine		0.292	0.122	0.092	0.054	0.057	0.123	79.9
Benzo(a)Anthracene	*	1.616	1.308	1.274	1.190	1.307	1.339	12.1*
Chrysene	*	1.440	1.033	1.143	1.010	1.033	1.132	15.9
bis(2-Ethylhexyl)Phthalate		1.935	1.690	1.771	1.687	1.708	1.758	5.9
Di-n-Octyl Phthalate		2.996	2.650	2.969	2.653	2.584	2.770	7.1
Benzo(b)Fluoranthene	*	1.654	1.287	1.351	1.320	1.341	1.391	10.7*
Benzo(k)Fluoranthene	*	1.365	1.142	1.142	0.988	1.024	1.132	13.0*
Benzo(a)Pyrene	*	1.281	1.080	1.120	1.054	1.111	1.129	7.9*
Indeno(1,2,3-cd)Pyrene	*	1.434	1.088	1.170	1.123	1.069	1.177	12.6*
Dibenz(a,h)Anthracene	*	1.152	0.941	0.965	0.965	0.974	0.999	8.6*
Benzo(g,h,i)Perylene	*	1.132	0.942	0.974	0.926	0.944	0.984	8.6*
Nitrobenzene-d5	*	0.493	0.343	0.406	0.394	0.373	0.402	14.0*
2-Fluorobiphenyl	*	1.881	1.405	1.386	1.328	1.267	1.453	16.9*
Terphenyl-d14	*	1.445	1.228	1.242	1.155	1.198	1.254	8.9*
Phenol-d5	*	2.049	1.843	1.815	1.836	1.797	1.868	5.5*
2-Fluorophenol	*	1.804	1.526	1.526	1.502	1.498	1.571	8.3*
2,4,6-Tribromophenol		0.214	0.192	0.172	0.176	0.188	0.188	8.8
2-Chlorophenol-d4	*	1.583	1.314	1.290	1.273	1.233	1.339	10.4*
1,2-Dichlorobenzene-d4	*	1.218	0.938	0.924	0.905	0.848	0.967	15.0*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA07 Calibration date: 06/29/92 Time: 1432

Lab File ID: HG920629A07 Init. Calib. Date(s): 06/15/92 06/15/92

Init. Calib. Times: 1826 2119

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	Sample
Phenol	1.818	1.968	0.800	-8.3	25.0	CKY24
bis(2-Chloroethyl)Ether	1.557	1.568	0.700	-0.7	25.0	CKY25
2-Chlorophenol	1.477	1.437	0.800	2.7	25.0	CKY26
1,3-Dichlorobenzene	1.626	1.536	0.600	5.5	25.0	
1,4-Dichlorobenzene	1.612	1.522	0.500	5.6	25.0	
1,2-Dichlorobenzene	1.445	1.333	0.400	7.8	25.0	
2-Methylphenol	1.255	1.408	0.700	-12.2	25.0	
2,2'-Oxybis(1-Chloropropane)	1.737	1.356		21.9		
4-Methylphenol	1.374	1.455	0.600	-5.9	25.0	
N-Nitroso-Di-n-Propylamine	0.992	0.904	0.500	8.9	25.0	
Hexachloroethane	0.744	0.736	0.300	1.1	25.0	
Nitrobenzene	0.350	0.346	0.200	1.1	25.0	
Isophorone	0.730	0.721	0.400	1.2	25.0	
2-Nitrophenol	0.206	0.213	0.100	-3.4	25.0	
2,4-Dimethylphenol	0.327	0.331	0.200	-1.2	25.0	
bis(2-Chloroethoxy)Methane	0.500	0.503	0.300	-0.6	25.0	
2,4-Dichlorophenol	0.302	0.320	0.200	-6.0	25.0	
1,2,4-Trichlorobenzene	0.314	0.306	0.200	2.5	25.0	
Naphthalene	1.024	0.997	0.700	2.6	25.0	
4-Chloroaniline	0.170	0.240		-41.2		
Hexachlorobutadiene	0.156	0.170		-9.0		
4-Chloro-3-Methylphenol	0.284	0.345	0.200	-21.5	25.0	
2-Methylnaphthalene	0.719	0.695	0.400	3.3	25.0	
Hexachlorocyclopentadiene	0.336	0.289		14.0		
2,4,6-Trichlorophenol	0.400	0.410	0.200	-2.5	25.0	
2,4,5-Trichlorophenol	0.400	0.420	0.200	-5.0	25.0	
2-Chloronaphthalene	1.313	1.180	0.800	10.1	25.0	
2-Nitroaniline	0.307	0.287		6.5		
Dimethyl Phthalate	1.394	1.330		4.6		
Acenaphthylene	2.009	1.831	1.300	8.9	25.0	
2,6-Dinitrotoluene	0.297	0.307	0.200	-3.4	25.0	
3-Nitroaniline	0.044	0.199		-352.3		
Acenaphthene	1.199	1.034	0.800	13.8	25.0	
2,4-Dinitrophenol	0.129	0.121		6.2		
4-Nitrophenol	0.129	0.149		-15.5		
Dibenzofuran	1.632	1.545	0.800	5.3	25.0	
2,4-Dinitrotoluene	0.391	0.387	0.200	1.0	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: CWA07 Calibration date: 06/29/92 Time: 1432

Lab File ID: HG920629A07 Init. Calib. Date(s): 06/15/92 06/15/92

Init. Calib. Times: 1826 2119

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.437	1.389		3.3	
4-Chlorophenyl-phenylether	0.609	0.604	0.400	0.8	25.0
Fluorene	1.320	1.130	0.900	14.4	25.0
4-Nitroaniline	0.141	0.206		-46.1	
4,6-Dinitro-2-Methylphenol	0.126	0.132		-4.8	
N-Nitrosodiphenylamine (1)	0.510	0.535		-4.9	
4-Bromophenyl-phenylether	0.218	0.246	0.100	-12.8	25.0
Hexachlorobenzene	0.270	0.284	0.100	-5.2	25.0
Pentachlorophenol	0.116	0.114	0.050	1.7	25.0
Phenanthrene	1.211	1.035	0.700	14.5	25.0
Anthracene	1.120	1.043	0.700	6.9	25.0
Carbazole	0.681	0.760		-11.6	
Di-n-Butylphthalate	1.664	1.545		7.2	
Fluoranthene	1.030	1.043	0.600	-1.3	25.0
Pyrene	2.176	1.907	0.600	12.4	25.0
Butylbenzylphthalate	1.207	1.008		16.5	
3,3'-Dichlorobenzidine	0.123	0.245		-99.2	
Benzo(a)Anthracene	1.339	1.237	0.800	7.6	25.0
Chrysene	1.132	1.103	0.700	2.6	25.0
bis(2-Ethylhexyl)Phthalate	1.758	1.438		18.2	
Di-n-Octyl Phthalate	2.770	2.290		17.3	
Benzo(b)Fluoranthene	1.391	1.352	0.700	2.8	25.0
Benzo(k)Fluoranthene	1.132	0.987	0.700	12.8	25.0
Benzo(a)Pyrene	1.129	1.079	0.700	4.4	25.0
Indeno(1,2,3-cd)Pyrene	1.177	1.051	0.500	10.7	25.0
Dibenz(a,h)Anthracene	0.999	0.919	0.400	8.0	25.0
Benzo(g,h,i)Perylene	0.984	0.879	0.500	10.7	25.0
Nitrobenzene-d5	0.402	0.366	0.200	9.0	25.0
2-Fluorobiphenyl	1.453	1.286	0.700	11.5	25.0
Terphenyl-d14	1.254	1.207	0.500	3.7	25.0
Phenol-d5	1.868	1.878	0.800	-0.5	25.0
2-Fluorophenol	1.571	1.322	0.600	15.8	25.0
2,4,6-Tribromophenol	0.188	0.175		6.9	
2-Chlorophenol-d4	1.339	1.302	0.800	2.8	25.0
1,2-Dichlorobenzene-d4	0.967	0.870	0.400	10.0	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CKY28	72	61	80	69			0
02	CKY29	76	64	100	88			0
03	CKY32MS	69	60	83	75			0
04	CKY32MSD	77	63	90	77			0
05	CKY30	71	53*	72	70			1
06	CKY31	80	66	100	73			0
07	CKY32	68	56*	82	69			1
08	CKY33	74	61	75	83			0
09	CKY34	75	64	88	79			0
10	CKY35	67	60	82	84			0
11	CKY36	98	59*	82	70			1
12	CKY37	71	60	72	73			0
13	CKY38	70	61	83	76			0
14	PBLK22	75	61	87	77			0
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix Spike - EPA Sample No.: CKY18

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMIT REC.
Phenol	75.00	0	49.30	66	12-11[illegible]
2-Chlorophenol	75.00	0	48.80	65	27-123
1,4-Dichlorobenzene	50.00	0	25.80	52	36- 9[illegible]
N-Nitroso-di-n-prop.(1)	50.00	0	29.10	58	41-11[illegible]
1,2,4-Trichlorobenzene	50.00	0	28.40	57	39- 98
4-Chloro-3-methylphenol	75.00	0	52.10	69	23- 97
Acenaphthene	50.00	0	31.40	63	46-11[illegible]
4-Nitrophenol	75.00	0	48.50	65	10- 8[illegible]
2,4-Dinitrotoluene	50.00	0	30.80	62	24-[illegible]
Pentachlorophenol	75.00	0	46.00	61	9-[illegible]
Pyrene	50.00	0	43.60	87	26-1[illegible]

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.00	1.620	2 *	188 *	42	12-11[illegible]
2-Chlorophenol	75.00	1.360	2 *	188 *	40	27-123
1,4-Dichlorobenzene	50.00	0	0 *	200 *	28	36- 9[illegible]
N-Nitroso-di-n-prop.(1)	50.00	0	0 *	200 *	38	41-11[illegible]
1,2,4-Trichlorobenzene	50.00	0	0 *	200 *	28	39- 9[illegible]
4-Chloro-3-methylphenol	75.00	1.490	2 *	169 *	42	23-[illegible]
Acenaphthene	50.00	0	0 *	200 *	31	46-[illegible]
4-Nitrophenol	75.00	1.910	3 *	182 *	50	10- 8[illegible]
2,4-Dinitrotoluene	50.00	0	0 *	200 *	38	24- 96
Pentachlorophenol	75.00	1.350	2 *	187 *	50	9-10[illegible]
Pyrene	50.00	1.440	3 *	187 *	31	26-1[illegible]

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 11 out of 11 outside limits
Spike Recovery: 11 out of 22 outside limits

COMMENTS: CLP -
CAP, HG920629A02,DI920629A02, , , ,

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

CKY38

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499473

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR099473A57

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/09/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	16.90	39	J
2.	UNKNOWN HYDROCARBON	18.30	120	J
3.	UNKNOWN HYDROCARBON	19.82	190	J
4.	UNKNOWN	21.29	430	J
5.	UNKNOWN HYDROCARBON	21.95	660	J
6.	UNKNOWN	24.14	350	J
7.	UNKNOWN HYDROCARBON	25.07	660	J

ORIGINAL
(Red)

Appendix E

Organic Regional Data Assessment Summary

TPO: [X] ACTION [ ] FYI Region III

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: CKY14
SOW: 3/90
NO. OF SAMPLES: TWELVE (12)

LABORATORY: COMPU
DATA USER: TOM BENNETT
REVIEW COMPLETION DATE: 10/1/1992
MATRIX: WATER

REVIEWER: ESAT

	VOA	BNA	PEST/PCB
1. HOLDING TIMES	O	O	O
2. GC-MS TUNE/GC PERFORMANCE	O	O	O
3. INITIAL CALIBRATIONS	X	XA	O
4. CONTINUING CALIBRATION	X	X	O
5. FIELD BLANKS (F=NOT APPLICABLE)	X	X	O
6. LABORATORY BLANKS	X	X	
7. SURROGATES	O	X	X
8. MATRIX SPIKE/DUPLICATES	O	O	
9. REGIONAL QC (F=NOT APPLICABLE)	F	F	F
10. INTERNAL STANDARDS	O	O	O
11. COMPOUND IDENTIFICATION	O	O	O
12. COMPOUND QUANTITATION	O	O	O
13. SYSTEM PERFORMANCE	O	X	O
14. OVERALL ASSESSMENT	X	XA	X

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: (See Item 3B.)
AREAS OF CONCERN: (Documentation Attached, See Following Pages.)

TPO: [X] ACTION [ ] FYI

Region III ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: CKY28
SOW: 3/90
NO. OF SAMPLES: ELEVEN (11)

LABORATORY: COMPU
DATA USER: TOM BENNETT
REVIEW COMPLETION DATE: 10/1/1992
MATRIX: SOIL

REVIEWER: ESAT

	VOA	BNA	PEST/PCB
1. HOLDING TIMES	O	M	O
2. GC-MS TUNE/GC PERFORMANCE	O	O	O
3. INITIAL CALIBRATIONS	X	X	O
4. CONTINUING CALIBRATION	X	X	O
5. FIELD BLANKS (F=NOT APPLICABLE)	O	X	X
6. LABORATORY BLANKS	X	X	O
7. SURROGATES	O	XA	X
8. MATRIX SPIKE/DUPLICATES	O	O	O
9. REGIONAL QC (F=NOT APPLICABLE)	F	F	F
10. INTERNAL STANDARDS	O	O	O
11. COMPOUND IDENTIFICATION	O	O	O
12. COMPOUND QUANTITATION	O	O	O
13. SYSTEM PERFORMANCE	O	O	O
14. OVERALL ASSESSMENT	X	MA	X

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: (See Item 7B.)
AREAS OF CONCERN: (Documentation Attached, See Following Pages.)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY14 AQUEOUS SAMPLES

ORIGINAL (Red)

Item 3A and 3B — Several compounds failed precision criteria in the volatile and semivolatile initial calibrations. One target compound (3-nitroaniline) in the semivolatile fraction had a relative response factor (RRF) less than 0.05 in the initial calibration dated 6/15/92. (See Table I in Appendix F).

Item 4A and 4B — Several compounds failed the precision criteria in the volatile semivolatile continuing calibrations. (See Table I in Appendix F.)

Item 5A 5B and 5C — The maximum concentrations of all compounds found in the analyses of field blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	22 µg/L
acetone*	15 µg/L
butylbenzylphthalate*	120 J µg/Kg
bis(2-ethylhexyl)phthalate*	2 J µg/L
methoxychlor	0.59 J µg/Kg

* Common Laboratory Contaminant

Item 6A and 6B — The maximum concentrations of all compounds found in the analyses of laboratory method blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	30 µg/L
acetone*	31 µg/L
phenol	3 J µg/Kg
diethylphthalate*	1 J µg/Kg

* Common Laboratory Contaminant

Item 7B and 7C — In the semivolatile analyses, aqueous samples CKY16, CKY19 and CKY20 had one (1) and sample CKY18 had two (2) (one acid and one base) surrogate recoveries above the QC limits. Sample CKY18MSD did not show any surrogate recovery due to an extraction error. In the pesticide/PCB analyses, aqueous samples CKY14 and CKY26 had one (1) each of their surrogate recoveries below the QC limits but greater than 10%. (See FORM II SV-1, case narrative and FORM II PEST-1 in Appendix F.)

Item 8B — During the semivolatile analysis, sample CKY18MSD failed the spike recovery criteria due to an extraction error and no reanalysis was performed. (See FORM III SV-1 in Appendix F.)

ORIGINAL (Red)

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY28 SOIL SAMPLES

Item 1B The semivolatile extractions of samples CKY28, CKY31, CKY34, CKY35, CKY36 and CKY38 were performed thirteen (13) and sample CKY29 was performed seventeen (17) days from the date of sample collection. Although no technical holding time for the semivolatile extraction of the soil samples has been established, the technical holding time of seven (7) days for the aqueous samples has been exceeded by six (6) days and ten (10) days in these samples. The aqueous sample holding time was applied to these samples. (See Traffic Report in Appendix F.)

Item 3A and 3B Several compounds failed the precision criteria in the volatile and semivolatile initial calibrations. (See Table I in Appendix F).

Item 4A and 4B Several compounds failed the precision criteria in the volatile and semivolatile continuing calibrations. (See Table I in Appendix F.)

Item 5A 5B and 5C The maximum concentrations of all compounds found in the analyses of field blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	22 µg/L
acetone*	15 µg/L
butylbenzylphthalate*	120 J µg/Kg
bis(2-ethylhexyl)phthalate*	2 J µg/L
methoxychlor	0.59 J µg/Kg

* Common Laboratory Contaminant

Item 6A and 6B The maximum concentrations of all compounds found in the analyses of laboratory method blanks are listed below:

COMPOUND	CONCENTRATION
methylene chloride*	30 µg/L
acetone*	31 µg/L
phenol	3 J µg/Kg
diethylphthalate*	1 J µg/Kg

* Common Laboratory Contaminant

Item 7B and 7C The semivolatile analysis of sample CKY32 had the recovery for the acid surrogate, 2,4,6-tribromophenol less than 10%. Samples CKY32MS,CKY32MSD and CKY34 had one (1) of their surrogate recoveries outside the QC limits. In the pesticide/PCB analyses, samples CKY30, CKY32 and CKY36 had their surrogate recoveries below the QC limits but greater than 10% for

ORGANIC REGIONAL DATA ASSESSMENT SUMMARY NOTES
CASE: 18347 SDG: CKY28 SOIL SAMPLES

ORIGINAL (Red)

tetrachloro-m-xylene (TCX) on one column. (See FORM II SV-2 and FORM II PEST-1 in Appendix F.)

Item 8B The matrix spike duplicate recovery for sample CKY32 was above the QC limit for 4-nitrophenol in the semivolatile analyses. (See Form III SV-2 in Appendix F.)

ORIGINAL
(Red)

Appendix F

Support Documentation

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

ORIGINAL (Red)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# F50054	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE TIME:	[illegible]			06/24/92			06/25/92			06/26/92					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					32.4	C									
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride		44.0	T+								28.1	C			
Acetone		32.2	T+					49.5	C+		20.5	C			
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone															
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
cis-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
trans-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-Pentanone															
2-Hexanone								37.0	C						
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all Samples on	CKY28	CKY32	CKY32MS
H. [illegible]	CKY29	CKY32MSN	
1 0	CKY30	CKY33	
	CKY31	CKY36	
	CKY34	CKY38	
	CKY35		
	CKY37		

Reviewer Initials/Date: HP, 9/10/92

* See last page of this table for DEFINITION OF CODES.

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

ORIGINAL (Red)

CASE/~~SAS No.~~ 18342 CONTRACTOR E.P.A.T.

Instrument# [illegible]	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	[illegible]			[illegible]											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					[illegible]										
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride		[illegible]	I+		22.1	C+									
Acetone															
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone															
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
cis-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
trans-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-Pentanone					[illegible]	C									
2-Hexanone															
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all Samples	CKY15
~ Hispiga	CKY16

Reviewer Initials/Date: [illegible]

* See last page of this table for DEFINITION OF CODES.

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/~~SAS No.~~ 18347 CONTRACTOR [illegible]

Instrument# [illegible]	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	[illegible]			[illegible]			[illegible]								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane								132.1	C						
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone		66.4	T+		48.8	C+		25.2	C+						
Carbon Disulfide															
1,1-Dichloroethene															
1,1-Dichloroethane															
Total-1,2-Dichloroethene															
Chloroform															
1,2-Dichloroethane															
2-Butanone					39.6	C									
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
cis-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
trans-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-Pentanone															
2-Hexanone															
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
Total Xylenes															

AFFECTED SAMPLES:

all samples	CKY14	CKY18		
on this page	CKY17	CKY26		
1/1	CKY18MS			
	CKY18MSD			
	CKY19			
	CKY2[illegible]			
	CKY22			
	CKY23			
	CKY24			
	CKY25			

Reviewer Initials/Date: HP/9/2/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# F50057	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	05/04/92			07/09/92			07/09/92								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															

AFFECTED SAMPLES:

all samples	CK434	CK428		
on this page		CK431		
		CK435		
		CK436		
		CK438		

Reviewer Initials/Date: HP, 9/10/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# E5005Z	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	03/04/92 1812			03/05/92 2010			03/07/92 0332								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate								-28.2 C							
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene					-26.5 C										
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine					-35.5 C			-60.0 C							
Benzo(a)anthracene															
Chrysene															
Bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES: ~11 samples on this page

CKY24
CKY31
CKY35
CKY36
CKY38

Reviewer Initials/Date: HP 9/10/92

* See last page of this table for DEFINITION OF CODES.

ORIGINAL
(Red)

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA15	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	7/01/92 1924-2357			7/01/92 1218											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether					-80.2	C									
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline		37.1	I												
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline					-28.2	C									
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline					-37.8	C									
Acenaphthene															
2,4-Dinitrophenol					-43.2	C									
4-Nitrophenol					51.2	C									

AFFECTED SAMPLES:

all samples	CK430
on this page	CK432
	CK432MS
	CK432MSD
	CK433
	CK437

Reviewer Initials/Date: HP, 9/10/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

ORIGINAL (Red)

CASE/~~SAS No.~~ 18342 CONTRACTOR ESAT

Instrument# OWA15	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	10/11/92			07/01/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline					-54.5	C									
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine					38.9	C									
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine															
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES:

all samples on this page	CKY30
	CKY32
	CKY32MS
	CKY32MSD
	CKY33
	CKY37

Reviewer Initials/Date: HP, 9/10/92

See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

ORIGINAL (Red)

CASE/SAS No. 18347 CONTRACTOR ESAT

Instrument: OWA05	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	09/11/92 0921			09/11/92 2221											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether					39.8 C										
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol					35.2 C										
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline															
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene					33.6 C										
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol					81.1 C										
4-Nitrophenol					62.2 C										

AFFECTED SAMPLES: all sample CK429 on this page

Reviewer Initials/Date: HP 9/10/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ORIGINAL (Red)

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. 18342 CONTRACTOR ESAT

Instrument: OWAO7	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	10/20/92 1400			10/21/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
Bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
Bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
Bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline	33.9 T			-44.2 C											
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline	0.0444 89.7 °F			-352.2 C											
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															

AFFECTED SAMPLES:

all samples on this pole	CKY24
	CKY25
	CKY26

Reviewer Initials/Date: HP 9/9/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

ORIGINAL (Red)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA05	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	9/11/92			9/14/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol					32.6	C									
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine					44.2	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene					35.4	C									
Carbazole															

AFFECTED SAMPLES: all samples CK429 this page

Reviewer Initials/Date: HP 9/10/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

ORIGINAL (Red)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA07	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	06/15/92 1826-2119			06/19/92 1432											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline		46.3	I		-46.1	C									
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
3,3-Dichlorobenzidine		79.9	I		-99.2	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES: all samples on this page CKY24 CKY25 CKY26

Reviewer Initials/Date: HP, 9/9/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

ORIGINAL (Red)

CASE/SAS No. 18347 CONTRACTOR ESAT

Instrument: MWA02	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
Date/Time:	06/23/92			06/24/92											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(2-Chloroethyl)ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-Chloroisopropyl)ether															
4-Methylphenol															
N-Nitroso-di-n-propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic acid															
bis(2-Chloroethoxy)methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline				7.2 A											
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline															
Dimethylphthalate															
Acenaphthylene															
2,6-Dinitrotoluene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol				-25.9 A											

AFFECTED SAMPLES:

all samples in this page

CKV10
CKV20
CKV18MS
CKV18MSD
CKV22
CKV23
CKV15
CKV16
CKV12
CKV18
CKV19

Reviewer Initials/Date: HP 9/9/92

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

ORIGINAL (Red)

CASE/~~SAS No.~~ 18347 CONTRACTOR ESAT

Instrument# OWA02	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	10/25 00:43/42			15/12 00:29/42											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran															
2,4-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-methylphenol															
N-Nitrosodiphenylamine					43.3	C									
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate					25.9	C									
3,3-Dichlorobenzidine					37.3	C									
Benzo(a)anthracene															
Chrysene															
bis(2-Ethylhexyl)phthalate															
Di-n-octylphthalate															
Benzo(b)fluoranthene															
Benzo(k)fluoranthene															
Benzo(a)pyrene															
Indeno(1,2,3-cd)pyrene															
Dibenz(a,h)anthracene															
Benzo(g,h,i)perylene															
Carbazole															

AFFECTED SAMPLES:

all Samples on this page

CKY14
CKY20
CKY18MS
CKY18MSD
CKY22
CKY23
CKY15
CKY16
CKY17
CKY18
CKY19

Reviewer Initials/Date: HP 9/9/92

See last page of this table for DEFINITION OF CODES.

ORIGINAL (Red)

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration Date(s): 06/23/92 06/23/92

Calibration Times: 1925 2154

LAB FILE ID: RRF20 = HI920623B02 RRF50 = HG920623B02
RRF80 = HK920623B02 RRF120= HJ920623B02 RRF160= HH920623B02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.864	1.592	1.623	1.450	1.493	1.604	10.1*
bis(2-Chloroethyl)Ether *	1.695	1.490	1.488	1.354	1.392	1.484	8.9*
-Chlorophenol *	1.541	1.368	1.359	1.241	1.301	1.362	8.2*
,3-Dichlorobenzene *	1.649	1.490	1.475	1.342	1.402	1.472	7.9*
1,4-Dichlorobenzene *	1.762	1.539	1.519	1.378	1.421	1.524	9.8*
1,2-Dichlorobenzene *	1.567	1.398	1.395	1.263	1.287	1.382	8.7*
2-Methylphenol *	1.296	1.122	1.122	1.018	1.050	1.122	9.6*
2,2'-Oxybis(1-Chloropropane	1.939	1.741	1.720	1.577	1.663	1.728	7.8
4-Methylphenol *	1.370	1.182	1.165	1.045	1.094	1.171	10.6*
N-Nitroso-Di-n-Propylamine *	1.244	1.067	1.065	0.982	1.013	1.074	9.5*
Hexachloroethane *	0.833	0.777	0.759	0.712	0.751	0.766	5.8*
Nitrobenzene *	0.495	0.445	0.446	0.400	0.421	0.441	8.0*
Isophorone *	0.917	0.827	0.838	0.763	0.799	0.829	6.9*
2-Nitrophenol *	0.213	0.200	0.207	0.190	0.203	0.203	4.2*
2,4-Dimethylphenol *	0.382	0.327	0.345	0.303	0.336	0.339	8.5*
bis(2-Chloroethoxy)Methane *	0.605	0.539	0.546	0.494	0.514	0.540	7.8*
2,4-Dichlorophenol *	0.352	0.315	0.319	0.290	0.303	0.316	7.3*
1,2,4-Trichlorobenzene *	0.384	0.349	0.339	0.307	0.323	0.340	8.6*
aphthalene *	1.133	1.005	0.987	0.875	0.866	0.973	11.2*
-Chloroaniline	0.461	0.391	0.405	0.331	0.382	0.394	11.9
Hexachlorobutadiene	0.209	0.203	0.189	0.172	0.182	0.191	7.9
4-Chloro-3-Methylphenol *	0.346	0.321	0.327	0.307	0.326	0.325	4.3*
2-Methylnaphthalene *	0.669	0.606	0.603	0.547	0.554	0.596	8.2*
Hexachlorocyclopentadiene	0.437	0.447	0.459	0.431	0.460	0.447	2.9
2,4,6-Trichlorophenol *	0.505	0.444	0.458	0.425	0.439	0.454	6.8*
2,4,5-Trichlorophenol *	0.549	0.489	0.488	0.443	0.463	0.486	8.2*
2-Chloronaphthalene *	1.475	1.288	1.313	1.193	1.203	1.294	8.8*
2-Nitroaniline	0.497	0.453	0.511	0.482	0.502	0.489	4.6
Dimethyl Phthalate	1.555	1.375	1.422	1.306	1.369	1.405	6.6
Acenaphthylene *	2.212	1.975	1.982	1.798	1.792	1.952	8.8*
2,6-Dinitrotoluene *	0.361	0.338	0.350	0.330	0.352	0.346	3.5*
3-Nitroaniline	0.393	0.337	0.377	0.350	0.382	0.368	6.4
Acenaphthene *	1.332	1.174	1.177	1.069	1.089	1.168	8.9*
2,4-Dinitrophenol	0.170	0.185	0.213	0.212	0.234	0.203	12.4
4-Nitrophenol	0.159	0.150	0.169	0.159	0.173	0.162	5.6
Dibenzofuran *	2.027	1.795	1.764	1.605	1.616	1.761	9.7*
2,4-Dinitrotoluene *	0.480	0.464	0.485	0.454	0.477	0.472	2.7*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration Date(s): 06/23/92 06/23/92

Calibration Times: 1925 2154

LAB FILE ID: RRF20 = HI920623B02 RRF50 = HG920623B02
RRF80 = HK920623B02 RRF120= HJ920623B02 RRF160= HH920623B02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.578	1.457	1.528	1.432	1.480	1.495	3.9
4-Chlorophenyl-phenylether *	0.762	0.672	0.642	0.590	0.594	0.652	10.8*
Fluorene *	1.463	1.293	1.286	1.149	1.136	1.265	10.5
4-Nitroaniline	0.378	0.307	0.350	0.327	0.364	0.345	8.3
4,6-Dinitro-2-Methylphenol	0.153	0.161	0.179	0.175	0.189	0.171	8.4
N-Nitrosodiphenylamine (1)	0.640	0.561	0.573	0.538	0.563	0.575	6.7
4-Bromophenyl-phenylether *	0.273	0.240	0.235	0.221	0.236	0.241	8.0*
Hexachlorobenzene *	0.360	0.317	0.308	0.295	0.308	0.318	7.9*
Pentachlorophenol *	0.161	0.160	0.169	0.159	0.175	0.165	4.2*
Phenanthrene *	1.296	1.141	1.164	1.073	1.101	1.155	7.5*
Anthracene *	1.249	1.109	1.136	1.005	1.035	1.107	8.6*
Carbazole	1.013	0.892	0.964	0.897	0.928	0.939	5.4
Di-n-Butylphthalate	1.488	1.410	1.498	1.420	1.443	1.452	2.7
Fluoranthene *	1.095	1.023	1.032	0.960	0.965	1.015	5.5*
Pyrene *	1.897	1.645	1.744	1.582	1.723	1.718	6.9*
Butylbenzylphthalate	0.811	0.722	0.854	0.828	0.937	0.830	9.3
3,3'-Dichlorobenzidine	0.326	0.244	0.259	0.229	0.257	0.263	14.2
Benzo(a)Anthracene *	1.393	1.171	1.162	1.101	1.147	1.195	9.5*
Chrysene *	1.342	1.038	1.080	0.975	1.020	1.091	13.3
bis(2-Ethylhexyl)Phthalate	1.208	1.115	1.269	1.248	1.359	1.240	7.2
Di-n-Octyl Phthalate	2.165	2.155	2.364	2.136	2.403	2.245	5.7
Benzo(b)Fluoranthene *	1.472	1.302	1.356	1.190	1.341	1.332	7.6*
Benzo(k)Fluoranthene *	1.353	1.194	1.140	0.989	1.196	1.174	11.1*
Benzo(a)Pyrene *	1.224	1.030	1.040	0.898	1.071	1.053	11.1*
Indeno(1,2,3-cd)Pyrene *	1.115	0.949	0.892	0.779	0.861	0.919	13.7*
Dibenz(a,h)Anthracene *	0.922	0.784	0.763	0.670	0.757	0.779	11.7*
Benzo(g,h,i)Perylene *	1.018	0.847	0.759	0.687	0.728	0.808	16.3*
Nitrobenzene-d5 *	0.485	0.443	0.456	0.411	0.428	0.445	6.3*
2-Fluorobiphenyl *	1.612	1.379	1.373	1.230	1.245	1.368	11.2*
Terphenyl-d14 *	1.169	1.020	1.077	1.005	1.084	1.071	6.0*
Phenol-d5 *	1.821	1.614	1.615	1.471	1.523	1.609	8.3*
2-Fluorophenol *	1.439	1.272	1.294	1.178	1.236	1.284	7.6*
2,4,6-Tribromophenol	0.239	0.229	0.229	0.212	0.233	0.228	4.4
2-Chlorophenol-d4 *	1.341	1.190	1.198	1.099	1.153	1.196	7.5*
1,2-Dichlorobenzene-d4 *	1.040	0.942	0.895	0.808	0.827	0.902	10.4*

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

ORIGINAL (Red)

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration date: 06/29/92 Time: 1513

Lab File ID: HG920629A02 Init. Calib. Date(s): 06/23/92 06/23/92

Init. Calib. Times: 1925 2154

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	Samples.
Phenol	1.604	1.687	0.800	-5.2	25.0	CKY14
bis(2-Chloroethyl)Ether	1.484	1.512	0.700	-1.9	25.0	CKY15
2-Chlorophenol	1.362	1.386	0.800	-1.8	25.0	CKY16
1,3-Dichlorobenzene	1.472	1.485	0.600	-0.9	25.0	CKY17
1,4-Dichlorobenzene	1.524	1.556	0.500	-2.1	25.0	CKY18
1,2-Dichlorobenzene	1.382	1.447	0.400	-4.7	25.0	CKY18 MS
2-Methylphenol	1.122	1.134	0.700	-1.1	25.0	CKY18MSD
2,2'-Oxybis(1-Chloropropane)	1.728	1.631		5.6		
4-Methylphenol	1.171	1.235	0.600	-5.5	25.0	CKY19
N-Nitroso-Di-n-Propylamine	1.074	1.267	0.500	-18.0	25.0	CKY20
Hexachloroethane	0.766	0.809	0.300	-5.6	25.0	
Nitrobenzene	0.441	0.514	0.200	-16.6	25.0	CKY22
Isophorone	0.829	0.896	0.400	-8.1	25.0	CKY23
2-Nitrophenol	0.203	0.191	0.100	5.9	25.0	
2,4-Dimethylphenol	0.339	0.338	0.200	0.3	25.0	~~CKY~~ HS9
bis(2-Chloroethoxy)Methane	0.540	0.567	0.300	-5.0	25.0	← SBLK25
2,4-Dichlorophenol	0.316	0.322	0.200	-1.9	25.0	
1,2,4-Trichlorobenzene	0.340	0.355	0.200	-4.4	25.0	
Naphthalene	0.973	1.045	0.700	-7.4	25.0	
4-Chloroaniline	0.394	0.118		70.0		
Hexachlorobutadiene	0.191	0.215		-12.6		
4-Chloro-3-Methylphenol	0.325	0.336	0.200	-3.4	25.0	
2-Methylnaphthalene	0.596	0.592	0.400	0.7	25.0	
Hexachlorocyclopentadiene	0.447	0.494		-10.5		
2,4,6-Trichlorophenol	0.454	0.489	0.200	-7.7	25.0	
2,4,5-Trichlorophenol	0.486	0.508	0.200	-4.5	25.0	
2-Chloronaphthalene	1.294	1.298	0.800	-0.3	25.0	
2-Nitroaniline	0.489	0.495		-1.2		
Dimethyl Phthalate	1.405	1.447		-3.0		
Acenaphthylene	1.952	2.024	1.300	-3.7	25.0	
2,6-Dinitrotoluene	0.346	0.302	0.200	12.7	25.0	
3-Nitroaniline	0.368	0.299		18.8		
Acenaphthene	1.168	1.226	0.800	-5.0	25.0	
2,4-Dinitrophenol	0.203	0.169		16.8		
4-Nitrophenol	0.162	0.204		-25.9		
Dibenzofuran	1.761	1.862	0.800	-5.7	25.0	
2,4-Dinitrotoluene	0.472	0.482	0.200	-2.1	25.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Instrument ID: OWA02 Calibration date: 06/29/92 Time: 1513

Lab File ID: HG920629A02 Init. Calib. Date(s): 06/23/92 06/23/92

Init. Calib. Times: 1925 2154

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.495	1.512		-1.1	
4-Chlorophenyl-phenylether	0.652	0.751	0.400	-15.2	25.0
Fluorene	1.265	1.489	0.900	-17.7	25.0
4-Nitroaniline	0.345	0.289		16.2	
4,6-Dinitro-2-Methylphenol	0.171	0.157		8.2	
N-Nitrosodiphenylamine (1)	0.575	0.326		43.3	
4-Bromophenyl-phenylether	0.241	0.252	0.100	-4.6	25.0
Hexachlorobenzene	0.318	0.349	0.100	-9.7	25.0
Pentachlorophenol	0.165	0.186	0.050	-12.7	25.0
Phenanthrene	1.155	1.166	0.700	-1.0	25.0
Anthracene	1.107	1.055	0.700	4.7	25.0
Carbazole	0.939	0.892		5.0	
Di-n-Butylphthalate	1.452	1.498		-3.2	
Fluoranthene	1.015	1.114	0.600	-9.8	25.0
Pyrene	1.718	1.306	0.600	24.0	25.0
Butylbenzylphthalate	0.830	0.615		25.9	
3,3'-Dichlorobenzidine	0.263	0.165		37.3	
Benzo(a)Anthracene	1.195	1.190	0.800	0.4	25.0
Chrysene	1.091	0.945	0.700	13.4	25.0
bis(2-Ethylhexyl)Phthalate	1.240	1.102		11.1	
Di-n-Octyl Phthalate	2.245	2.010		10.5	
Benzo(b)Fluoranthene	1.332	1.343	0.700	-0.8	25.0
Benzo(k)Fluoranthene	1.174	1.189	0.700	-1.3	25.0
Benzo(a)Pyrene	1.053	0.979	0.700	7.0	25.0
Indeno(1,2,3-cd)Pyrene	0.919	0.862	0.500	6.2	25.0
Dibenz(a,h)Anthracene	0.779	0.729	0.400	6.4	25.0
Benzo(g,h,i)Perylene	0.808	0.785	0.500	2.8	25.0
Nitrobenzene-d5	0.445	0.525	0.200	-18.0	25.0
2-Fluorobiphenyl	1.368	1.466	0.700	-7.2	25.0
Terphenyl-d14	1.071	0.832	0.500	22.3	25.0
Phenol-d5	1.609	1.652	0.800	-2.7	25.0
2-Fluorophenol	1.284	1.406	0.600	-9.5	25.0
2,4,6-Tribromophenol	0.228	0.270		-18.4	
2-Chlorophenol-d4	1.196	1.188	0.800	0.7	25.0
1,2-Dichlorobenzene-d4	0.902	0.982	0.400	-8.9	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	CKY14	92	85	133	57	88	79	109	72	0
02	CKY15	77	76	111	75	72	61	92	66	0
03	CKY16	94	88	141	92	89	74	115 *	73	1
04	CKY17	91	84	139	88	83	75	106	67	0
05	CKY18	100	90	146 *	94	89	75	115 *	75	2
06	CKY19	94	93	138	87	84	77	111 *	79	1
07	CKY20	93	92	149 *	90	86	80	109	82	1
08	CKY22	74	76	122	75	70	66	91	65	0
09	CKY23	86	85	137	83	80	76	103	70	0
10	CKY24	70	70	85	53	67	83	83	74	[illegible]
11	CKY25	62	64	82	47	56	77	72	65	0
12	CKY26	77	73	57	60	71	97	86	77	0
13	CKY18MS	71	66	108	71	66	59	85	52	0
14	CKY18MSD	0 *	0 *	4 *	2 *	2 *	2 *	2 *	0 *	8
15	SBLK13	75	68	89	67	71	84	81	68	0
16	SBLK25	74	71	108	76	70	63	92	57	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	CKY28	73	79	79	74	79	39	92	71	0
02	CKY29	85	86	83	67	59	50	75	74	0
03	CKY30	86	76	94	80	68	65	79	83	0
04	CKY31	75	89	72	73	80	24	91	73	0
05	CKY32	81	78	98	62	39	5 *	57	78	1
06	CKY33	79	72	91	70	50	34	68	78	0
07	CKY34	25	28 *	31	25	25	21	30	26	1
08	CKY35	77	79	76	77	84	61	97	79	0
09	CKY36	72	81	80	75	79	50	96	77	0
10	CKY37	84	76	91	73	52	28	65	79	0
11	CKY38	33	38	44	33	34	32	41	31	0
12	CKY32MS	84	76	93	66	47	15 *	62	82	1
13	CKY32MSD	85	76	89	65	47	12 *	61	78	1
14	SBLK21	80	69	96	73	56	30	67	79	0
15	SBLK06	47	43	58	45	46	23	55	47	0
16	SBLK48	80	79	93	64	59	65	72	69	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

GC Column (1): DB-608 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	CKY14	76	87	67	53*			1
02	CKY18MS	96	86	100	95			0
03	CKY18MSD	88	86	100	87			0
04	CKY15	100	92	140	98			0
05	CKY16	83	98	76	64			0
06	CKY17	98	73	94	87			0
07	CKY18	83	84	97	81			0
08	CKY19	80	76	81	64			0
09	CKY20	84	100	85	74			0
10	CKY22	88	100	98	97			0
11	CKY23	77	83	76	81			0
12	CKY24	79	79	80	82			0
13	CKY25	86	90	91	95			0
14	CKY26	72	87	55*	80			1
15	PBLK55	99	84	130	82			0
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values.
* Values outside of QC Limits
D Surrogate diluted out.

FORM II PEST-1 3/90

SAMPLE DATA PACKAGE

18347 CKY 14

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix Spike - EPA Sample No.: CKY32 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3050	0	2010	66	26- 90
2-Chlorophenol	3050	0	1661	54	25-102
1,4-Dichlorobenzene	2030	0	1551	76	28-104
N-Nitroso-di-n-prop.(1)	2030	0	1393	69	41-126
1,2,4-Trichlorobenzene	2030	0	1486	73	38-107
4-Chloro-3-methylphenol	3050	0	1592	52	26-103
Acenaphthene	2030	0	1531	75	31-137
4-Nitrophenol	3050	0	3411	112	11-114
2,4-Dinitrotoluene	2030	0	1665	82	28- 89
Pentachlorophenol	3050	0	1535	50	17-109
Pyrene	2030	0	1450	71	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3050	2026	66	0	35	26- 90
2-Chlorophenol	3050	1726	57	5	50	25-102
1,4-Dichlorobenzene	2030	1535	76	0	27	28-104
N-Nitroso-di-n-prop.(1)	2030	1466	72	4	38	41-126
1,2,4-Trichlorobenzene	2030	1499	74	1	23	38-107
4-Chloro-3-methylphenol	3050	1657	54	4	33	26-103
Acenaphthene	2030	1592	78	4	19	31-137
4-Nitrophenol	3050	3606	118 *	5	50	11-114
2,4-Dinitrotoluene	2030	1750	86	5	47	28- 89
Pentachlorophenol	3050	1466	48	4	47	17-109
Pyrene	2030	1470	72	1	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS: CLP
CAP, HG920701B15,DH920701B15, , , ,

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 18347

1. Sample Description (Enter in Column A): Surface Water, Ground Water, Leachate, Rinsate, Soil/Sediment, Oil (SAS), Waste (SAS), Other (SAS) (Specify)

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Other (SAS) (Specify) 6. Ice only N. Not preserved

3. Region No.: III

Sampling Co.: MDE / MSWMA

Sampler (Name): JENNIFER WOOD

Sampler Signature:

4. Type of Activity: SF, PRB, ST, FED; Lead: PA, SS, LS; Pre-Remedial: RIFS, RD, RA, O&M, NPL; Remedial: CLEM, REMA, REM, OIL, UST; Removal

5. Date Shipped: 6/23/92

Carrier: FED EX

Airbill Number: 4208457993

6. Ship To: COMPUCHEM LABORATORIES, 3308 CHAPEL HILL/NELSON HWY, PO BOX 12652, RESEARCH TRIANGLE PARK, NC 27709, ATTN: NATALIE CARTER, (919) 248-6735

7. Date Received -- Received by: 6/24/92 V Batt

Laboratory Contract Number: 68D100083

8. Transfer to: Date Received:

Received by:

Contract Number: Price:

Sample Numbers (Begin Seals)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec't	L High Conc. Phases (Check below): Solids	Aqueous Low Med High	Non Aqueous Low Med High
Y 14	3	L	G	1,6	X	X	X		3-122914 TO 3-122914D	PLY 1	6/23/92 850	[illegible]	MLTY 07				
Y 15	2	L	G	1,6	X	X	X		3-122915 TO 3-122915	GW 1	6/23/92 830	[illegible]	MLTY 08				
Y 16	2	L	G	1,6	X	X	X		3-122916 TO 3-122916B	GW 2	6/23/92 1045	[illegible]	MLTY 09				
Y 17	2	L	G	1,6	X	X	X		3-122917 TO 3-122917	GW 3	6/23/92 1200	[illegible]	MLTY 10				
Y 18	2	L	G	1,6	X	X	X		3-122918 TO 3-122918	GW 4	6/23/92 1015	[illegible]	MLTY 11				
Y 19	2	L	G	1,6	X	X	X		3-122919 TO 3-122919	GW 5	6/23/92 1045	[illegible]	MLTY 12				
Y 20	2	L	G	1,6	X	X	X		3-122920 TO 3-122920	GW 6	6/23/92 1045	[illegible]	MLTY 13				
Y 21	2	L	G	1,6	X	X	X		3-122921 TO 3-122921	GW 7			MLTY 14				
Y 22	1	L	G	1,6	X	X	X		3-122922 TO 3-122922	SW 1	6/23/92 945	[illegible]	MLTY 15				
Y 23	1	L	G	1,6	X	X	X		3-122923 TO 3-122923	SW 2	6/23/92 930	[illegible]	MLTY 16				

Comment for Case complete? (Y/N): Y

Page 1 of 3

Sample used for a spike and/or duplicate: DO QC ON CKY 18

Additional Sampler Signatures: [illegible] Michael O'Malley

Chain of Custody Seal Number: 499435, 499439, 499444, 435, 440, 436, 441, 437, 442

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature) V Batt	Date / Time 6/24/92 0830	Remarks: Is custody seal intact? Y/N/none. CKY 16 1-VOA BROKEN. AIRBILL # RECVD 7957725505	

Split Samples [ ] Accepted (Signature)

Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

014

18347 CKY 11

SAMPLE DATA PACKAGE (Red)

EPA United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

SAS No. (if applicable)

Case No. 18347

Sample Description (Enter in Column A): Surface Water, Ground Water, Leachate, Rinsate, Soil/Sediment, Oil (SAS), Waste (SAS), Other (SAS) (Specify)

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H_2SO_4 5. Other (SAS) (Specify) 6. Ice only N. Not preserved

3. Region No.: III
Sampling Co.: MDE/HSWMA
Sampler (Name): Jennifer Woods
Sampler Signature: [signature]

4. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF, PRP, ST, FED, PA, SSI, LSI, RIFS, RD, RA, O&M, NPLD, CLEM, REMA, REM, OIL, UST

5. Date Shipped: 6/23/92
Carrier: FED EX
Airbill Number: 4208 45 7 993

6. Ship To: COMPUCHEM LABORATORIES
3308 CHAPEL HILL/NELSON HWY
PO Box 12652
RESEARCH TRIANGLE PARK, NC 27709
ATTN: NATALIE CARTER
(919) 248-6735

7. Date Received: 6/24/92
Received by: V Batt
Laboratory Contract Number: 68D10083
Unit Price:
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from Labels)	A Enter # From Box 1	B Conc. Low Med High	C Sample Type: Comp/Grab	D Preservative from Box 6	E RAS Analysis: VOA	BNA	Pest/PCB	High ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Sample Condition on Rec'd	L High Conc. Phases (Check below): Solids	Water-Mix Liq.	Non Water-Mix Liq.
KY 24	1	L	G	1,6	X	X	X		3-1225186 Co 3-1225188	SW 3	6/23/92 1050	[signature]	MCSY 17				
KY 25	1	L	G	1,6	X	X	X		3-1225189 Co 3-1225192	SW 4	6/23/92 1215	[signature]	MCSY 18				
KY 26	3	L	G	1,6	X	X	X		3-1225193 Co 3-1225196	LT 1	6/23/92 915	[signature]	MCSY 19				
~~KY 27~~	~~3~~	~~L~~	~~G~~	~~1,6~~	~~X~~	~~X~~	~~X~~		~~3-1225197 Co 3-1225200~~	~~LT 2~~			~~MCSY 20~~				
KY 28	5	L	G	6	X	X	X		3-1225201 Co 3-1225203	SED 1	6/23/92 945	[signature]	MCSY 21				
KY 29	5	L	G	6	X	X	X		3-1225204 Co 3-1225207 Co	SED 2	6/23/92 930	[signature]	MCSY 22				
KY 30	5	L	G	6	X	X	X		3-1225208 Co 3-1225209	SED 3	6/23/92 1140	[signature]	MCSY 23				
KY 31	5	L	G	6	X	X	X		3-1225210 Co 3-1225212	SED 4	6/23/92 1215	[signature]	MCSY 24				
KY 32	5	L	G	6	X	X	X		3-1225213 Co 3-1225216	S 1	6/23/92 1200	[signature]	MCSY 25				
KY 33	5	L	G	6	X	X	X		3-1225217 Co 3-1225221	S 2	6/23/92 1000	[signature]	MCSY 26				

Shipment for Case Complete? (Y/N): Y
Page 1 of 3
Sample used for a spike and/or duplicate: Do QC on CKY 32
Additional Sampler Signatures: [signature] Chris [signature]
Chain of Custody Seal Number: 499445 499459 499466 447 463 449 464 458 465

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature) V Batt	Date / Time 6/24/92 0830	Remarks Is custody seal intact? (Y)/N/none RECV'D CKY31 1-VOA BROKEN UNABLE TO SAVE (SAS) TAG# 3-1225210 6/24/92 AIRBILL # 3957725505	

Split Samples [ ] Accepted (Signature)

EPA Form 9110-2 (Rev 6-91) Replaces EPA Form (2075-7), previous edition which may be used
DISTRIBUTION:

SAMPLE DATA PACKAGE
ORIGINAL (Red)

18347 CKY 14

015

ORIGINAL
(Red)

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

SDG NARRATIVE SDG # CKY14
CASE # 18347
CONTRACT # 68D10083

SAMPLES: CKY14, CKY15, CKY16, CKY17, CKY18, CKY19, CKY20, CKY22, CKY23, CKY24, CKY25, CKY26

This portion of Case # 18347 consisted of twelve liquid samples for volatile, semivolatile, and pesticide analysis. They were received on 6/24/92 via Federal Express in properly sealed shipping containers with traffic reports. One volatile container of CKY16 was received broken.

VOLATILES:
All volatile fractions were analyzed within holding time requirements. Samples containing no target compounds above the CRQL were CKY15, CKY17, and CKY26. The remaining samples contained methylene chloride and/or acetone, which were also detected in the associated instrument blanks. All system monitoring compounds met recovery criteria. The matrix spike/matrix spike duplicate results were acceptable. The raw sample pH values are given on the attached pages.

SEMIVOLATILES:
All semivolatile fractions were extracted and analyzed within holding time requirements. None of the samples contained any target compounds above the CRQL. The recovery of D14-terphenyl exceeded QC limits in samples CKY13 and CKY20. All other production sample surrogates met recovery criteria. The matrix spike and blank spike met overall acceptance criteria. However, the matrix spike duplicate results failed both surrogate and spike recovery criteria due to an extraction error. Since this was not discovered until holding times had expired and since the other recoveries were acceptable, no reextractions were performed.

PESTICIDES:
All pesticide fractions were extracted and analyzed within holding time requirements. None of the samples contained any target compounds above the CRQL. All surrogate recoveries were acceptable. The matrix spike/matrix spike duplicate results were acceptable. Endrin ketone, which was detected in the spikes but not the original, was identified as a spike compound degradation product. All associated sequences met degradation criteria.

COMPUCHEM LABORATORIES, INC.

ORIGINAL (Red)

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 submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Note: This report was paginated for reference and accountability in increasing numerical sequence.

Sarah A. Hubbard

Sarah A. Hubbard 7/13/92
Technical Reviewer

ORIGINAL
(Red)

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

SDG NARRATIVE -- CASE 18347
SDG NO. CKY28
Contract No. 68D10083
Compuchem Laboratories, Inc.

Samples: CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38

Attached are pertinent Quality Assurance Notices dealing with the analysis of eleven (11) soil samples associated with Case 18347, SDG No. CKY28. With one exception, the samples were received intact on June 24, 1992 in properly sealed shipping containers with the corresponding chain-of-custody documents and traffic reports. For sample CKY31, one volatile container was received broken. The courier was Federal Express. The samples were logged into the Compuchem Laboratory Management system and scheduled for the analysis of the volatile, semi-volatile, and pesticide/PCB fractions. The percent moisture content values of the samples ranged from eight (8.0) to forty (40.0). The pH values of the samples ranged from 5.5 to 7.2, and were within the limits of 5.0 to 11.0 as specified by EPA protocols. This SDG narrative addresses the volatile and the semi-volatile fractions.

VOLATILES

The samples were prepared and analyzed within the proper holding time requirements. EPA target compound list (TCL) analytes methylene chloride and acetone were detected in all of the samples. Toluene was also detected in sample CKY28. The concentration of toluene in sample CKY28 was below the contract required quantitation limit (CRQL). Consequently, this analyte has been flagged with the 'J' qualifier on the organic analysis data sheets (OADS). Tentatively identified compounds (TICs) were detected in all of the samples ranging in number per sample from one (1) to two (2). The TICs detected in the samples were assessed as laboratory artifacts. A laboratory artifact is usually an early eluting peak believed to consist of water and various atmospheric gases. Quality assurance notices have been included with the data for the laboratory artifacts.

In the volatile fraction, recovery and RPD values met QC limits in the matrix spike, CKY32 MS, and the matrix spike duplicate, CKY32 MSD. In addition to the spiking compounds, methylene chloride and acetone were detected in the MS and the MSD. Methylene chloride and acetone were detected in all of the four associated volatile method blanks. Each of the blanks contained one (1) TIC. The TIC found in each of the method blanks was assessed as a laboratory artifact. System monitoring compound recovery values for the samples, the blanks, and the duplicate sample spikes passed contract required QC limits.

Results of the original sample, CKY32, and the MS did not agree favorably. Variations were observed in the number of extraneous

peaks. These variations can be attributed to the inhomogeneity of the soil matrix. We are reporting the data for the original sample and the MS with reference to the enclosed quality assurance notice.

SEMI-VOLATILES

Initially, all of the samples were extracted and analyzed within holding time limits. In the initial extraction of samples CKY28, CKY29, CKY31, CKY34, CKY35, CKY36, and CKY38, performed within holding time limits, surrogate recovery values did not meet QC criteria. The samples were re-extracted outside of holding time requirements. Although performed outside of holding time limits, extraction efficiency was improved and overall surrogate recovery criteria were met for these samples. Results were comparable between the two analyses for each of the samples. The data for the original analyses have been included in the non-deliverable section of the complete SDG file (CSF). We are reporting the data from the second extraction of these samples with reference to the enclosed quality assurance notice.

Samples CKY28, CKY31, and CKY36 did not contain any TCL compounds. TCL analytes were detected in the remaining samples ranging in number per sample from one (1) to twelve (12). These analytes included 4-methylphenol, phenanthrene, butylbenzylphthalate, pyrene, fluoranthene, bis(2-ethylhexyl)phthalate, 2-methylnaphthalene, benzo(a)anthracene, chrysene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(b/k)fluoranthene. Benzo(b/k) fluoranthene coeluted in samples CKY29 and CKY38. Extracted ion current profiles (EICP) have been included with samples CKY29 and CKY38 where the fluoranthene isomers coeluted. TICs were detected in all of the samples ranging in number per sample from six (6) to twenty-six (26). Some of the TICs detected in the samples were assessed as blank contaminants and laboratory artifacts. Quality assurance notices have been included with the data for the samples where the laboratory artifacts were detected.

Extensive internal tests performed here at Compuchem indicated that a particular lot of methylene chloride contained several early eluting TICs. These TICs appeared in samples even though a pre-approval test performed on the new lot did not contain the TICs. Samples CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38, and method blank SBLK21 were affected by this problem with the methylene chloride. The discovery of the contaminated methylene chloride was not made until after these samples and the method blank had been extracted. We have received a new lot of solvent which is contaminant free. We are reporting the data for these samples and the method blank with reference to the enclosed laboratory notices.

In the semi-volatile fraction, with one exception, recovery and RPD values met QC limits in the matrix spike, CKY32 MS, and the matrix spike duplicate, CKY32 MSD. Spiking compound 4-nitrophenol exceeded the QC limits. In addition to the spiking compounds,

COMPUCHEM LABORATORIES, INC.

ORIGINAL (Red)

butylbenzylphthalate was detected in the MS and the MSD. Benzo(b/k)fluoranthene coeluted in the MSD. Method blank SBLK06 did not contain any TCL compounds. Butylbenzylphthalate was detected below the CRQL in method blanks SBLK21 and SBLK48. There were three TICs detected in method blank SBLK06. Method blank SBLK21 contained six (6) TICs. In method blank SBLK48, five (5) TICs were detected.

Surrogate 2,4,6-tribromophenol failed QC limits in sample CKY32 and the duplicate sample spikes, CKY32MS/MSD. The unacceptable recoveries in the matrix spikes and the original sample have been attributed to the particular sample matrix rather than to deficiencies in the laboratory's analytical system. We are reporting the data for the original sample and the matrix spikes with reference to the enclosed quality assurance notice. In sample CKY34, 2-fluorobiphenyl failed QC limits. The remaining surrogate recovery values for the samples, the blanks, and the sample spikes passed contract required QC limits.

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 submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Cynthia E. Edwards 07/17/92
Cynthia E. McCloud- Edwards
Technical Reviewer
July 10, 1992

Note: This report is paginated for reference and accountability.

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

ORIGINAL (Red)

SDG NARRATIVE -- CASE 18347
SDG NO. CKY28
Contract No. 68D10083
CompuChem Laboratories, Inc.

Samples: CKY28, CKY29, CKY30, CKY31, CKY32, CKY33, CKY34, CKY35, CKY36, CKY37, CKY38

Pesticides/PCBs

The samples were extracted and analyzed within the proper holding time requirements. No TCL compounds were confirmed in the samples at concentrations above the CRQL. However, TCL compounds were confirmed in the samples at concentrations below the CRQL. These compounds included alpha-BHC, gamma-BHC, heptachlor, aldrin, heptachlor epoxide, endosulfan I, endosulfan II, dieldrin, endrin, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, methoxychlor, endosulfan sulfate, alpha-chlordane, gamma-chlordane, and endrin ketone. The "p" qualifier was applied to some of the compounds confirmed in these samples. The "p" flag was used to indicate that the differences between the detected concentrations for these compounds analyzed on the DB-608 column and the RTX-1701 column were greater that twenty-five (25) percent. TCL compound methoxychlor was confirmed in the method blank at a concentration below the CRQL.

Recovery and RPD values met QC limits in the matrix spike, CKY32MS, and the matrix spike duplicate, CKY32MSD.

The recovery of the tetrachloro-m-xylene surrogate for samples CKY30, CKY32, and CKY36 analyzed on the RTX-1701 column was below advisory QC limits.

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 floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Jean M. Zimmerman
Technical Reviewer
July 16, 1992

Note: This report is paginated for reference and accountability.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red) EPA SAMPLE NO.

CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499426

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099426B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	57	
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	54	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	55	
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	53	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Organic (Red) EPA SAMPLE NO.

CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499427

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN099427B56

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	9	BJ
67-64-1	Acetone	11	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	56	
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	56	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	57	
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	55	
108-90-7	Chlorobenzene	55	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499453

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R99453A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/26/92

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/KG

CAS NO.	COMPOUND		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	32	B
67-64-1	Acetone	29	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	71	
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	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	64	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	70	
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	69	
108-90-7	Chlorobenzene	65	
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

SAMPLE DATA PACKAGE

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red) EPA SAMPLE NO.

CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499454

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR099454A54

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. 18 Date Analyzed: 06/25/92

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/KG	Q
74-37-3	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	38	B
67-64-1	Acetone	30	B
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	82	
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	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	74	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	80	
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	79	
108-90-7	Chlorobenzene	78	
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Rep)

EPA SAMPLE NO.

CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499429

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099429B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

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	49	B
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	49	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	26	
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	29	
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	28	
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	52	
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	31	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499429

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099429B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

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
100-02-7	4-Nitrophenol	48	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	31	
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	46	
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	44	
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	2	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499430

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099430B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

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	2	BJ
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	1	J
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	1	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	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499430

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH099430B02

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/29/92

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
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	2	J
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	1	J
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	1	J
85-68-7	Butylbenzylphthalate	5	BJ
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	18	B
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

(Red) CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499456

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099456A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	1600	
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1400	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	1500	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499456

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099456A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	3400	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1700	
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	160	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499457

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099457A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	1500	
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl Phthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	1600	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499457

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099457A15

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	3600	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1800	
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-Methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	150	BJ
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	48	JX
207-08-9	Benzo(k)Fluoranthene	48	JX
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY18MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499432

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/30/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

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

CAS NO.	COMPOUND		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)	0.44	
76-44-8	Heptachlor	0.40	
309-00-2	Aldrin	0.39	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.76	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.88	
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	0.92	
72-43-5	Methoxychlor	0.017	JP
53494-70-5	Endrin ketone	0.0099	J
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red) CKY18MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499433

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

% Moisture: decanted: (Y/N) Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/30/92

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)	0.41	
76-44-8	Heptachlor	0.38	
309-00-2	Aldrin	0.37	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.72	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.84	
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	0.88	
72-43-5	Methoxychlor	0.013	JP
53494-70-5	Endrin ketone	0.0074	J
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32MS

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499460

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	0.093	JP
58-89-9	gamma-BHC (Lindane)	13	
76-44-8	Heptachlor	11	
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	0.21	J
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	27	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	26	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CKY32MSD

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 499461

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 06/24/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	0.22	JP
58-89-9	gamma-BHC (Lindane)	13	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	13	
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	27	
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	1.2	J
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKC7

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099517B54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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/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	10	
67-64-1	Acetone	28	
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKC7

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099517B54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.18~~	~~36~~	~~J~~ HP 9/25/

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKC8

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099518C54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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/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	30	
67-64-1	Acetone	31	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKC8

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKC8

Sample wt/vol: 5.0 (g/mL) ~~G~~ Lab File ID: GH099518C54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.20~~	~~28~~	~~BJ~~

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

VBLKKX

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920624A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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	3	J
67-64-1	Acetone	13	
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKKX

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920624A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
VBLKKA

Lab Name: COMPUCHEM RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CD920625A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	3	J
67-64-1	Acetone	13	
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKKA

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CD920625A56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKVT

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920625B56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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	8	J
67-64-1	Acetone	5	J
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

VBLKVT

Lab Name: COMPUCHEM.RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CB920625B56

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/92

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKD3

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 13347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099662A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/25/92

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/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	30	
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGIN/EPA SAMPLE NO.
(Red)

VBLKD3

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099662A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.17~~	~~20~~	~~J~~ [illegible]

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) VBLKD9

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099886A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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/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	23	
67-64-1	Acetone	18	
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red)

VBLKD9

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: VBLKD9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH099886A54

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~LABORATORY ARTIFACT~~	~~2.15~~	~~19~~	~~J~~

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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	1	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	1	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	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	J
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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red) SBLK13

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH099898A07

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/25/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	8	J
2.	UNKNOWN	4.65	4	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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	3	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

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
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	6	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	
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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

SBLK25

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: SBLK25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH000436B02

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/26/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.65	17	J
2.	UNKNOWN	4.80	8	J
3.	UNKNOWN	5.05	9	J
4.	METHYLPROPYLCYCLOHEXANE	5.13	6	J
5.	UNKNOWN	5.65	3	J
~~6.~~	~~LAB. ARTIFACT~~	~~15.37~~	~~3~~	~~J~~ 09/28/9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK21

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red) SBLK21

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-Methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	120	J
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) SBLK21

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH099906A15

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/26/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.13	330	J
2.	UNKNOWN	5.18	100	J
3.	UNKNOWN	5.23	100	J
4.	TETRACHLOROETHANE	5.30	230	J
5.	UNKNOWN	5.75	130	J
6.	UNKNOWN PHTHALATE	10.87	100	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK06

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	790	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) SBLK06

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-Methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red) EPA SAMPLE NO.

SBLK06

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH001667B57

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/07/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.38	99	J
2.	TETRACHLOROETHANE	6.53	66	J
~~3.~~	~~LABORATORY ARTIFACT~~	~~13.90~~	~~230~~	~~J~~

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

SBLK48

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-Di-n-Propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)Methane	320	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-Methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	780	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	780	U
131-11-3	Dimethyl Phthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	320	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
SBLK48

Lab Name: COMPUCHEM, RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	780	U
100-02-7	4-Nitrophenol	780	U
132-64-9	Dibenzofuran	320	U
121-14-2	2,4-Dinitrotoluene	320	U
84-66-2	Diethylphthalate	320	U
7005-72-3	4-Chlorophenyl-phenylether	320	U
86-73-7	Fluorene	320	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-Methylphenol	780	U
86-30-6	N-Nitrosodiphenylamine (1)	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-Butylphthalate	320	U
206-44-0	Fluoranthene	320	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	42	J
91-94-1	3,3'-Dichlorobenzidine	320	U
56-55-3	Benzo(a)Anthracene	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)Phthalate	320	U
117-84-0	Di-n-Octyl Phthalate	320	U
205-99-2	Benzo(b)Fluoranthene	320	U
207-08-9	Benzo(k)Fluoranthene	320	U
50-32-8	Benzo(a)Pyrene	320	U
193-39-5	Indeno(1,2,3-cd)Pyrene	320	U
53-70-3	Dibenz(a,h)Anthracene	320	U
191-24-2	Benzo(g,h,i)Perylene	320	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL (Red) SBLK48

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: _____ SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: SBLK48

Sample wt/vol: 30.8 (g/mL) G Lab File ID: GH002529A05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 07/10/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/15/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.78	130	J
2.	UNKNOWN	5.48	1200	J
~~3.~~	~~LABORATORY ARTIFACT~~	~~12.90~~	~~230~~	~~J~~ HP
~~4.~~	~~LABORATORY ARTIFACT~~	~~13.10~~	~~8400~~	~~J~~ 9/28/9

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGIN (Red) EPA SAMPLE NO.

PBLK55

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY14

Matrix: (soil/water) WATER Lab Sample ID: 499901

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

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/26/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/30/92

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) PBLK22

Lab Name: COMPUCHEM,RTP Contract: 68D10083

Lab Code: COMPU Case No.: 18347 SAS No.: SDG No.: CKY28

Matrix: (soil/water) SOIL Lab Sample ID: 500065

Sample wt/vol: 30.00 (g/ml) G Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/26/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/06/92

Injection Volume: 2.0 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	0.59	JP
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

ORIGINAL
(Red)

ORIGINAL
(Red)

Attachment IV

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000004 ORIGINAL (Red)

MCJY08

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY08____

Level (low/med): LOW__ Date Received: 06/24/92

% 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	12.1	B		P
7440-36-0	Antimony	16.2	U		P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	43.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.7	U		P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	1.8	U		P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	77.6	B	*	P
7439-92-1	Lead	0.40	U		F
7439-95-4	Magnesium	6220			P
7439-96-5	Manganese	11.1	B	*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.5	U		P
7440-09-7	Potassium	511	B		P
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	3170	B		P
7440-28-0	Thallium	0.60	U	WN	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	8.8	B		P
	Cyanide	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000005 (Received)

MCJY09

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY09____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	146	B		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	137	B		P_
7440-41-7	Beryllium	0.39	B		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	70400	_		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	49.7	_		P_
7439-89-6	Iron_____	1030	_	*	P_
7439-92-1	Lead_____	6.0	_		F_
7439-95-4	Magnesium	17300	_		P_
7439-96-5	Manganese	78.1	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	2460	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	3990	B		P_
7440-28-0	Thallium_	0.60	U	WN	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	60.5	_		P_
	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments:

FORM I - IN

ILM03.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000006 ORIGINAL (Red)

MCJY10

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY10____

Level (low/med): LOW__ Date Received: 06/24/92

% 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	182	B		P
7440-36-0	Antimony	16.2	U		P
7440-38-2	Arsenic	7.0	B		F
7440-39-3	Barium	206			P
7440-41-7	Beryllium	2.7	B		P
7440-43-9	Cadmium	1.7	U		P
7440-70-2	Calcium	83300			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	13.2	B		P
7440-50-8	Copper	271			P
7439-89-6	Iron	172000		*	P
7439-92-1	Lead	35.3			F
7439-95-4	Magnesium	19400			P
7439-96-5	Manganese	577		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.4	B		P
7440-09-7	Potassium	1090	B		P
7782-49-2	Selenium	0.70	U	W	F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	13100			P
7440-28-0	Thallium	0.60	U	WN	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	561			P
	Cyanide	2.0	U		AS

Color Before: BROWN____ Clarity Before: OPAQUE Texture: _____

Color After: BROWN____ Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000007 ORIGINAL (Red)

MCJY11

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY11____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	112	B		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	28.7	B		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	139000	_		P_
7440-47-3	Chromium_	2.2	B		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	50.0	_		P_
7439-89-6	Iron_____	1530	_	*	P_
7439-92-1	Lead_____	7.5	_		F_
7439-95-4	Magnesium	22100	_		P_
7439-96-5	Manganese	31.6	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	1440	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	1640	B		P_
7440-28-0	Thallium_	0.60	U	WN	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	25.4	_		P_
	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000008 ORIGINAL (Red)

MCJY12

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY12____

Level (low/med): LOW__ Date Received: 06/24/92

% 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	99.8	B		P
7440-36-0	Antimony	16.2	U		P
7440-38-2	Arsenic	1.1	U		F
7440-39-3	Barium	133	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	1.7	U		P
7440-70-2	Calcium	69800			P
7440-47-3	Chromium	1.8	U		P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	45.8			P
7439-89-6	Iron	931		*	P
7439-92-1	Lead	5.8			F
7439-95-4	Magnesium	17000			P
7439-96-5	Manganese	66.8		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.5	U		P
7440-09-7	Potassium	2320	B		P
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	4140	B		P
7440-28-0	Thallium	0.60	U	WN	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	58.3			P
	Cyanide	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

ORIGINAL (red)

EPA SAMPLE NO.

0000009

MCJY13

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY13____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	197	B		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.4	B		F_
7440-39-3	Barium___	238	_		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	21000	_		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.9	B		P_
7440-50-8	Copper___	8.5	B		P_
7439-89-6	Iron_____	9300	_	*	P_
7439-92-1	Lead_____	1.3	B		F_
7439-95-4	Magnesium	11300	_		P_
7439-96-5	Manganese	490	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	1740	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	4080	B		P_
7440-28-0	Thallium_	0.60	U	WN	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	30.8	_		P_
	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments:

ORIGINAL
(Red)

CASE 18347

APPENDIX A

RESULTS REPORTED BY LABORATORY

FORM Is

SDG MCJY07

1

INORGANIC ANALYSES DATA SHEET

0000003

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY07

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY07____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	11.8	U		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	0.50	U		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	9.7	B		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	1.7	U		P_
7439-89-6	Iron_____	5.6	B	*	P_
7439-92-1	Lead_____	0.40	U		F_
7439-95-4	Magnesium	19.3	U		P_
7439-96-5	Manganese	0.60	U	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	369	U		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	8.4	U		P_
7440-28-0	Thallium_	0.60	U	N	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	4.0	B		P_
_____	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

ORIGINAL (Red)

CASE 18347

APPENDIX A

RESULTS REPORTED BY LABORATORY

FORM Is

SDG MCJY21

U.S. EPA - CLP

CCC003.

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red) MCJY21

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY21____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _66.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3750		*	P
7440-36-0	Antimony	4.7	U	N	P
7440-38-2	Arsenic	5.2			F
7440-39-3	Barium	145			P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium	0.49	U		P
7440-70-2	Calcium	10000			P
7440-47-3	Chromium	10			P
7440-48-4	Cobalt	48.1			P
7440-50-8	Copper	21.0			P
7439-89-6	Iron	47100			P
7439-92-1	Lead	19.9		S	F
7439-95-4	Magnesium	582	B		P
7439-96-5	Manganese	2590			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	57.7			P
7440-09-7	Potassium	794	B		P
7782-49-2	Selenium	0.44	B		F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	83.0	B		P
7440-28-0	Thallium	0.24	U		F
7440-62-2	Vanadium	14.7			P
7440-66-6	Zinc	140		E	P
	Cyanide	0.30	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: STONES AND FREE WATER

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

ORIGINAL

EPA SAMPLE NO.

0000010

MCJY15

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY15____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	734	_		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	53.2	B		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	22100	_		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	4.2	B		P_
7440-50-8	Copper___	3.9	B		P_
7439-89-6	Iron_____	740	_	*	P_
7439-92-1	Lead_____	1.5	B		F_
7439-95-4	Magnesium	5980	_		P_
7439-96-5	Manganese	126	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	17.7	B		P_
7440-09-7	Potassium	1070	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	5590	_		P_
7440-28-0	Thallium_	0.60	U	WN	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	34.4	_		P_
_____	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments:

FORM I - IN

ILM02.1

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000011 (Red)

MCJY16

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY16____

Level (low/med): LOW__ Date Received: 06/24/92

% 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	206			P
7440-36-0	Antimony	16.2	U		P
7440-38-2	Arsenic	1.1	B		F
7440-39-3	Barium	17.3	B		P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	1.7	U		P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	1.8	U		P
7440-48-4	Cobalt	37.8	B		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	5800		*	P
7439-92-1	Lead	0.40	U		F
7439-95-4	Magnesium	44600			P
7439-96-5	Manganese	3020		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	78.7			P
7440-09-7	Potassium	1870	B		P
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	12100			P
7440-28-0	Thallium	0.60	U	WN	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	32.0			P
	Cyanide	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000012 ORIGINAL (Red)

MCJY17

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY17____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	11.8	U		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	37.9	B		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	11400			P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	1.7	U		P_
7439-89-6	Iron_____	3140		*	P_
7439-92-1	Lead_____	0.40	U		F_
7439-95-4	Magnesium	4650	B		P_
7439-96-5	Manganese	429		*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	4300	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	1960	B		P_
7440-28-0	Thallium_	0.60	U	WN	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	7.5	B		P_
	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red) 0000013

MCJY18

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY18____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	378			P
7440-36-0	Antimony_	16.2	U		P
7440-38-2	Arsenic__	1.1	U		F
7440-39-3	Barium___	49.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.7	U		P
7440-70-2	Calcium__	21800			P
7440-47-3	Chromium_	1.8	U		P
7440-48-4	Cobalt___	2.7	B		P
7440-50-8	Copper___	1.7	U		P
7439-89-6	Iron_____	195		*	P
7439-92-1	Lead_____	0.40	B		F
7439-95-4	Magnesium	5950			P
7439-96-5	Manganese	77.9		*	P
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	11.9	B		P
7440-09-7	Potassium	1090	B		P
7782-49-2	Selenium_	0.70	U		F
7440-22-4	Silver___	3.7	U		P
7440-23-5	Sodium___	5040			P
7440-28-0	Thallium_	0.60	U	WN	F
7440-62-2	Vanadium_	9.0	U		P
7440-66-6	Zinc_____	25.5			P
	Cyanide__	2.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 0000014 ORIGINAL (Red)

MCJY19

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY19____

Level (low/med): LOW__ Date Received: 06/24/92

% 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	3530			P
7440-36-0	Antimony	16.2	U		P
7440-38-2	Arsenic	2.7	B		F
7440-39-3	Barium	78.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.7	U		P
7440-70-2	Calcium	16400			P
7440-47-3	Chromium	5.3	B		P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	15.2	B		P
7439-89-6	Iron	12000		*	P
7439-92-1	Lead	10.7			F
7439-95-4	Magnesium	2490	B		P
7439-96-5	Manganese	327		*	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.9	B		P
7440-09-7	Potassium	2520	B		P
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	3330	B		P
7440-28-0	Thallium	0.60	U	N	F
7440-62-2	Vanadium	9.0	U		P
7440-66-6	Zinc	68.0			P
	Cyanide	2.0	U		AS

Color Before: BROWN____ Clarity Before: OPAQUE Texture: _____

Color After: BROWN____ Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000015 ORIGINAL (Red)

MCJY32

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY32____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	11.8	U		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	1.5	B		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	319	B		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	1.7	U		P_
7439-89-6	Iron_____	12.1	B	*	P_
7439-92-1	Lead_____	0.40	U		F_
7439-95-4	Magnesium	47.6	B		P_
7439-96-5	Manganese	4.3	B	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	369	U		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	181	B		P_
7440-28-0	Thallium_	0.60	U	N	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	29.3			P_
	Cyanide__				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 0000016 ORIGINAL (Red)

MCJY33

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY33____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	11.8	U		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	222	_		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	20800	_		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	1.7	U		P_
7440-50-8	Copper___	1.7	U		P_
7439-89-6	Iron_____	8170	_	*	P_
7439-92-1	Lead_____	0.40	U		F_
7439-95-4	Magnesium	11200	_		P_
7439-96-5	Manganese	484	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	1690	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	3960	B		P_
7440-28-0	Thallium_	0.60	U	N	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc_____	35.2	_		P_
	Cyanide__		_		NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

0000017 ORIGINAL (Red)

MCJY35

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Lab Sample ID: MCJY35____

Level (low/med): LOW__ Date Received: 06/24/92

% 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_	16.7	B		P_
7440-36-0	Antimony_	16.2	U		P_
7440-38-2	Arsenic__	1.1	U		F_
7440-39-3	Barium___	222	_		P_
7440-41-7	Beryllium	0.20	U		P_
7440-43-9	Cadmium__	1.7	U		P_
7440-70-2	Calcium__	20200	_		P_
7440-47-3	Chromium_	1.8	U		P_
7440-48-4	Cobalt___	3.2	B		P_
7440-50-8	Copper___	1.7	U		P_
7439-89-6	Iron____	8150	_	*	P_
7439-92-1	Lead____	0.40	U		F_
7439-95-4	Magnesium	10900	_		P_
7439-96-5	Manganese	476	_	*	P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	6.5	U		P_
7440-09-7	Potassium	1600	B		P_
7782-49-2	Selenium_	0.70	U		F_
7440-22-4	Silver___	3.7	U		P_
7440-23-5	Sodium___	3880	B		P_
7440-28-0	Thallium_	0.60	U	N	F_
7440-62-2	Vanadium_	9.0	U		P_
7440-66-6	Zinc____	18.1	B		P_
	Cyanide__		_		NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

MCJY22

0004004

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY22____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _61.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3950		*	P
7440-36-0	Antimony	5.2	U	N	P
7440-38-2	Arsenic	10.6			F
7440-39-3	Barium	54.5	B		P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	10400			P
7440-47-3	Chromium	332			P
7440-48-4	Cobalt	180			P
7440-50-8	Copper	13.7			P
7439-89-6	Iron	49700			P
7439-92-1	Lead	21.5			F
7439-95-4	Magnesium	1140	B		P
7439-96-5	Manganese	13500			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	169			P
7440-09-7	Potassium	632	B		P
7782-49-2	Selenium	1.8		S	F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	101	B		P
7440-28-0	Thallium	0.25	U		F
7440-62-2	Vanadium	13.4	B		P
7440-66-6	Zinc	119		E	P
	Cyanide	0.32	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: STONES AND FREE WATER

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY23

0001005

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY23____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3660		*	P
7440-36-0	Antimony	4.5	U	N	P
7440-38-2	Arsenic	2.3	B		F
7440-39-3	Barium	68.9			P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	874	B		P
7440-47-3	Chromium	9.0			P
7440-48-4	Cobalt	12.8	B		P
7440-50-8	Copper	25.7			P
7439-89-6	Iron	25100			P
7439-92-1	Lead	18.1			F
7439-95-4	Magnesium	380	B		P
7439-96-5	Manganese	160			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	20.9			P
7440-09-7	Potassium	1370	B		P
7782-49-2	Selenium	0.41	B		F
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	61.7	B		P
7440-28-0	Thallium	0.22	U		F
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	76.5		E	P
	Cyanide	0.29	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: ROOTS

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

MCJY24

~~0007~~ 0006

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY24____

Level (low/med): LOW__ Date Received: 06/24/92

Solids: _78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4260		*	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	3.6			F
7440-39-3	Barium	86.5			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	0.55	B		P
7440-70-2	Calcium	1290			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	54.1			P
7440-50-8	Copper	16.1			P
7439-89-6	Iron	27900			P
7439-92-1	Lead	15.7			F
7439-95-4	Magnesium	785	B		P
7439-96-5	Manganese	1480			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	89.1			P
7440-09-7	Potassium	577	B		P
7782-49-2	Selenium	0.34	B	W	F
7440-22-4	Silver	0.92	U		P
7440-23-5	Sodium	44.4	B		P
7440-28-0	Thallium	0.20	U		F
7440-62-2	Vanadium	11.7	B		P
7440-66-6	Zinc	188		E	P
	Cyanide	0.25	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: STONES AND FREE WATER

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY25

0004007

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY25____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _80.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8270		*	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	7.9			F
7440-39-3	Barium	142			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	2640			P
7440-47-3	Chromium	12.0			P
7440-48-4	Cobalt	19.3			P
7440-50-8	Copper	28.7			P
7439-89-6	Iron	33900			P
7439-92-1	Lead	35.0			F
7439-95-4	Magnesium	1030	B		P
7439-96-5	Manganese	1170			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	22.2			P
7440-09-7	Potassium	1240			P
7782-49-2	Selenium	0.35	B	W	F
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	119	B		P
7440-28-0	Thallium	0.20	U	W	F
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	78.0		E	P
	Cyanide	0.25	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: ROOTS AND STONES

FORM I - IN

ILM02.1

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MCJY26

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044 ~~0002008~~

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY26____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _88.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4270		*	P
7440-36-0	Antimony	3.6	U	N	P
7440-38-2	Arsenic	3.3			F
7440-39-3	Barium	56.6			P
7440-41-7	Beryllium	0.99	B		P
7440-43-9	Cadmium	0.38	U		P
7440-70-2	Calcium	1200			P
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	14.6			P
7440-50-8	Copper	21.1			P
7439-89-6	Iron	24000			P
7439-92-1	Lead	17.5			F
7439-95-4	Magnesium	784	B		P
7439-96-5	Manganese	311			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	14.6			P
7440-09-7	Potassium	1240			P
7782-49-2	Selenium	0.20	U	W	F
7440-22-4	Silver	0.83	U		P
7440-23-5	Sodium	46.3	B		P
7440-28-0	Thallium	0.18	U		F
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	79.9		E	P
	Cyanide	0.23	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: ROOTS_AND_STONES

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MCJY27

0001009

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY27____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _87.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9470		*	P
7440-36-0	Antimony	3.6	U	N	P
7440-38-2	Arsenic	4.5			F
7440-39-3	Barium	135			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	0.38	U		P
7440-70-2	Calcium	3390			P
7440-47-3	Chromium	13.8			P
7440-48-4	Cobalt	17.4			P
7440-50-8	Copper	21.3			P
7439-89-6	Iron	33900			P
7439-92-1	Lead	21.2			F
7439-95-4	Magnesium	1030	B		P
7439-96-5	Manganese	819			P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	16.5			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.31	B	W	F
7440-22-4	Silver	0.83	U		P
7440-23-5	Sodium	52.0	B		P
7440-28-0	Thallium	0.18	U	W	F
7440-62-2	Vanadium	21.0			P
7440-66-6	Zinc	110		E	P
	Cyanide	0.45	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: ROOTS AND STONES

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. ORIGINAL (Red)

MCJY28

~~0004~~010

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY28____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _97.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4670		*	P
7440-36-0	Antimony	3.2	U	N	P
7440-38-2	Arsenic	3.4			F
7440-39-3	Barium	105			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	0.34	U		P
7440-70-2	Calcium	2940			P
7440-47-3	Chromium	10.9			P
7440-48-4	Cobalt	22.1			P
7440-50-8	Copper	21.3			P
7439-89-6	Iron	54700			P
7439-92-1	Lead	14.9			F
7439-95-4	Magnesium	764	B		P
7439-96-5	Manganese	781			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.0			P
7440-09-7	Potassium	1130			P
7782-49-2	Selenium	0.18	U	W	F
7440-22-4	Silver	0.73	U		P
7440-23-5	Sodium	80.5	B		P
7440-28-0	Thallium	0.16	U		F
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	130		E	P
	Cyanide	0.23	B		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: STONES

FORM I

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY29

0002011

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY29____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _87.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7900		*	P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	3.8			F
7440-39-3	Barium	71.9			P
7440-41-7	Beryllium	0.84	B		P
7440-43-9	Cadmium	0.39	U		P
7440-70-2	Calcium	5610			P
7440-47-3	Chromium	9.6			P
7440-48-4	Cobalt	11.3	B		P
7440-50-8	Copper	14.1			P
7439-89-6	Iron	21900			P
7439-92-1	Lead	21.1			F
7439-95-4	Magnesium	1330			P
7439-96-5	Manganese	620			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	9.8			P
7440-09-7	Potassium	904	B		P
7782-49-2	Selenium	0.37	B	W	F
7440-22-4	Silver	0.85	U		P
7440-23-5	Sodium	174	B		P
7440-28-0	Thallium	0.18	U	W	F
7440-62-2	Vanadium	17.6			P
7440-66-6	Zinc	64.2		E	P
	Cyanide	0.23	U		AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: __ROOTS_AND_STONES_____

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

MCJY30

0000012

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY30____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _91.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	12000	_	*	P_
7440-36-0	Antimony_	3.5	U	N	P_
7440-38-2	Arsenic__	3.6	_		F_
7440-39-3	Barium___	56.8	_		P_
7440-41-7	Beryllium	0.94	B		P_
7440-43-9	Cadmium__	0.37	U		P_
7440-70-2	Calcium__	739	B		P_
7440-47-3	Chromium_	14.6	_		P_
7440-48-4	Cobalt___	13.1	_		P_
7440-50-8	Copper___	15.6	_		P_
7439-89-6	Iron_____	33800	_		P_
7439-92-1	Lead_____	9.7	_		F_
7439-95-4	Magnesium	1200	_		P_
7439-96-5	Manganese	316	_		P_
7439-97-6	Mercury__	0.11	U		CV
7440-02-0	Nickel___	12.9	_		P_
7440-09-7	Potassium	949	B		P_
7782-49-2	Selenium_	0.30	B	W	F_1
7440-22-4	Silver___	0.80	U		P_
7440-23-5	Sodium___	39.9	B		P_
7440-28-0	Thallium_	0.17	U	W	F_
7440-62-2	Vanadium_	21.0	_		P_
7440-66-6	Zinc_____	64.5	_	E	P_
_____	Cyanide__	0.22	U		AS
_____	_____	_____	_		__

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: STONES

FORM I - IN

ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
MCJY31
0000013

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Lab Sample ID: MCJY31____

Level (low/med): LOW__ Date Received: 06/24/92

% Solids: _88.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7390		*	P
7440-36-0	Antimony_	3.6	U	N	P
7440-38-2	Arsenic__	4.4			F
7440-39-3	Barium___	108			P
7440-41-7	Beryllium	0.83	B		P
7440-43-9	Cadmium__	0.38	U		P
7440-70-2	Calcium__	2430			P
7440-47-3	Chromium_	9.3			P
7440-48-4	Cobalt___	12.1			P
7440-50-8	Copper___	16.1			P
7439-89-6	Iron_____	21000			P
7439-92-1	Lead_____	36.0		S	F
7439-95-4	Magnesium	832	B		P
7439-96-5	Manganese	591			P
7439-97-6	Mercury__	0.16			CV
7440-02-0	Nickel___	11.3			P
7440-09-7	Potassium	866	B		P
7782-49-2	Selenium_	0.24	B	W	F
7440-22-4	Silver___	0.82	U		P
7440-23-5	Sodium___	49.2	B		P
7440-28-0	Thallium_	0.17	U	W	F
7440-62-2	Vanadium_	15.3			P
7440-66-6	Zinc_____	79.6		E	P
	Cyanide__	0.71			AS

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:
ARTIFACTS: __ROOTS_AND_STONES

ORIGINAL (Red)

CASE 18347

APPENDIX B

TPO REPORT

SDG MCJY07

ORIGINAL
(Red)

CASE 18347

APPENDIX B

TPO REPORT

SDG MCJY07

TPO: [ ] ACTION [X] FYI

Region III

ORIGINAL (Red)

INORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: MCJY07
SOW: ILM02.1
NO. OF SAMPLES: twelve (12)

LABORATORY: ITPA
DATA USER: Stevie Wilding
REVIEW COMPLETION DATE: 9/23/92
MATRIX: aqueous

REVIEWER: ESAT

	ICP	AA	HG	CN
1. HOLDING TIMES	_O_	_O_	_O_	_O_
2. INITIAL CALIBRATIONS	_O_	_O_	_O_	_O_
3. CONTINUING CALIBRATIONS	_O_	_O_	_O_	_O_
4. FIELD BLANKS(F=NOT APPLICABLE)	_o_	_O_	_O_	_O_
5. LABORATORY BLANKS	_X_	_O_	_O_	_O_
6. ICS	_O_			
7. LCS	_O_	_O_		
8. DUPLICATE ANALYSIS	_O_	_O_	_O_	_O_
9. MATRIX SPIKE	_O_	_M_	_O_	_O_
10. MSA		_O_		
11. SERIAL DILUTION	_O_			
12. SAMPLE VERIFICATION	_O_	_O_	_O_	_O_
13. REGIONAL QC(F-NOT APPLICABLE)	_F_	_F_	_F_	_F_
14. OVERALL ASSESSMENT	_X_	_M_	_O_	_O_

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: _____

AREAS OF CONCERN: Documentation attached (see Appendix C)

ORIGINAL
(Red)

TPO: [ ] ACTION [X] FYI

Region III

INORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: MCJY07
SOW: ILM02.1
NO. OF SAMPLES: three (3)

LABORATORY: ITPA
DATA USER: Stevie Wilding
REVIEW COMPLETION DATE: 9/23/92
MATRIX: filtered aqueous

REVIEWER: ESAT

	ICP	AA	HG
1. HOLDING TIMES	_O_	_O_	_O_
3. CONTINUING CALIBRATIONS	_O_	_O_	_O_
4. FIELD BLANKS(F=NOT APPLICABLE)	_M_	_O_	_O_
5. LABORATORY BLANKS	_X_	_O_	_O_
6. ICS	_O_		
7. LCS	_O_	_O_	
8. DUPLICATE ANALYSIS	_M_	_O_	_O_
9. MATRIX SPIKE	_O_	_O_	_O_
10. MSA		_O_	
11. SERIAL DILUTION	_O_		
12. SAMPLE VERIFICATION	_O_	_O_	_O_
13. REGIONAL QC(F-NOT APPLICABLE)	_F_	_F_	_F_
14. OVERALL ASSESSMENT	_M_	_O_	_O_

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: _____

AREAS OF CONCERN: Documentation attached (see Appendix C)

ORIGINAL (Red)

CASE 18347

APPENDIX B

TPO REPORT

SDG MCJY21

TPO: [X] ACTION [ ] FYI

Region III

ORIGINAL (Red)

INORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO: 18347
SDG NO: MCJY21
SOW: ILM02.1
NO. OF SAMPLES: nine (9)

LABORATORY: ITPA
DATA USER: Stevie Wilding
REVIEW COMPLETION DATE: 9/23/92
MATRIX: solid

REVIEWER: ESAT

	ICP	AA	HG	CN
1. HOLDING TIMES	O	O	O	O
2. INITIAL CALIBRATIONS	O	O	O	O
3. CONTINUING CALIBRATIONS	O	O	O	O
4. FIELD BLANKS(F=NOT APPLICABLE)	O	O	O	O
5. LABORATORY BLANKS	O	O	O	O
6. ICS	O			
7. LCS	O	O		
8. DUPLICATE ANALYSIS	O	O	O	O
9. MATRIX SPIKE	MA	O	O	O
10. MSA		O		
11. SERIAL DILUTION	M			
12. SAMPLE VERIFICATION	O	O	O	O
13. REGIONAL QC(F-NOT APPLICABLE)	F	F	F	O
14. OVERALL ASSESSMENT	MA	O	O	O

O = No problems or minor problems that do not affect data usability
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.
A = TPO action requested; use in conjunction with one of the above codes.

TPO ACTION ITEMS: (9) Matrix spike recovery for the Sb analyte was less than 30% (19.1%)

AREAS OF CONCERN: Documentation attached (see Appendix C)

ORIGINAL
(Red)

CASE 18347

APPENDIX C

SUPPORT DOCUMENTATION

SDG MCJY07

000001

ORIGINAL
(Red)

JUL 1992
RECEIVED

CASE NARRATIVE

Laboratory Name:	ITAS Pittsburgh, Pennsylvania
Laboratory Code:	ITPA
Project Name:	USEPA/CLP
Inorganic SOW:	ILM02.1
Project Number:	662004
Work Order Number:	Q206156
Contract Number:	68-D2-0044
Case Number:	18347
SDG Number:	MCJY07

Sample Number:				
	MCJY07	MCJY11	MCJY16	MCJY32
	MCJY08	MCJY12	MCJY17	MCJY33
	MCJY09	MCJY13	MCJY18	MCJY35
	MCJY10	MCJY15	MCJY19	

Shipment

Fifteen water samples were received at the ITAS Pittsburgh Laboratory on June 24, 1992; twelve for metals and cyanide analysis and three for metals analysis only.

Metals

A duplicate digestion and a matrix spike were performed on samples MCJY11 and MCJY33. A serial dilution was performed on sample MCJY08.

- The matrix spike for thallium on sample MCJY11 exceeded the 75-125 percent control limits and all associated results were flagged with the "N" qualifier.
- The duplicate digestion for iron and manganese on sample MCJY33 exceeded the 20 percent control limit and all associated results were flagged with the "*" qualifier.

Cyanide Analysis

A duplicate and matrix spike were performed on sample MCJY11.

3
BLANKS

0000029

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	11.8	U	11.8	U	11.8	U	11.8	U	11.800	U	P
Antimony	16.2	U	16.2	U	16.2	U	16.2	U	16.200	U	P
Arsenic	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	F
Barium	0.5	U	0.5	U	0.5	U	0.7	B	0.500	U	P
Beryllium	0.2	U	0.2	U	0.3	B	0.2	U	0.200	U	P
Cadmium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Calcium	-7.0	B	-6.4	B	-7.5	B	-5.2	B	25.800	B	P
Chromium	1.8	U	1.8	U	1.8	U	1.8	U	1.800	U	P
Cobalt	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Copper	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Iron	2.3	U	-2.4	B	2.3	U	2.3	U	9.680	B	P
Lead	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	F
Magnesium	19.3	U	19.3	U	19.3	U	19.3	U	20.400	B	P
Manganese	-0.7	B	0.6	U	0.6	U	0.6	U	0.660	B	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV
Nickel	6.5	U	6.5	U	6.5	U	6.5	U	6.500	U	P
Potassium	369.0	U	369.0	U	369.0	U	369.0	U	369.000	U	P
Selenium	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	F
Silver	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Sodium	-32.0	B	-22.2	B	-19.7	B	-26.7	B	8.400	U	P
Thallium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	F
Vanadium	9.0	U	9.0	U	9.0	U	9.0	U	9.000	U	P
Zinc	2.0	U	2.0	U	2.0	U	2.0	U	5.360	B	P
Cyanide	4.0	U	4.0	U	4.0	U			-2.482	B	AS

MCJY07 08

MCJY09-13 MCJY15-17

MCJY18 MCJY19 MCJY32 MCJY33 MCJY35

next CCB has no hits

FORM III - IN

ILM02.1

U.S. EPA - CLP

14
ANALYSIS RUN LOG

0000056

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH__________ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: ______ SDG No.:MCJY07

Instrument ID Number: JA61E_________ Method: P_

Start Date: 06/30/92 End Date: 06/30/92

EPA Sample No.	D/F	Time	% R	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1423		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
S	1.00	1426																				X					
S	1.00	1428		X	X			X						X					X				X				
S	1.00	1431																									
S	1.00	1433					X		X	X		X	X			X	X			X						X	
S	1.00	1436									X																
S	1.00	1438																							X		
ICV	1.00	1446		X			X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
ICV	1.00	1449			X																						
ICB	1.00	1451		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
ICSA	1.00	1454		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
ICSAB	1.00	1457		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
CRI	1.00	1459			X			X	X		X	X	X				X		X			X			X	X	
ZZZZZZ	1.00	1502																									
ZZZZZZ	1.00	1505																									
ZZZZZZ	1.00	1507																									
ZZZZZZ	1.00	1510																									
ZZZZZZ	1.00	1513																									
ZZZZZZ	1.00	1516																									
ZZZZZZ	1.00	1518																									
CCV	1.00	1521																				X					
CCV	1.00	1523		X	X		X	X	X	X	X	X	X	X		X	X		X	X			X		X	X	
CCB	1.00	1526		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1531																									
ZZZZZZ	1.00	1534																									
ZZZZZZ	1.00	1537																									
PBW →	Ca 25.6 mg/L .00	1539		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
LCSW	Fe 9.7 mg/L .00	1542		X			X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
LCSW	Mg 20.4 mg/L .00	1545			X																						
MCJY07	Zn 5.4 mg/L 1.00	1547		X	X		X	X	X	X	X	X	X	X		X	X		X	X		X	X		X	X	
MCJY07L	5.00	1550																									

U.S. EPA - CLP

14

ANALYSIS RUN LOG

0000057

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY07

Instrument ID Number: JA61E_____ Method: P_

Start Date: 06/30/92 End Date: 06/30/92

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CJY08	1.00	1553		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CV	1.00	1555		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_
C[illegible]	1.00	1558		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	_	X	_	X	X	_
[illegible]	1.00	1601		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY09	1.00	1603		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
MCJY10	1.00	1606		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
MCJY11	1.00	1608		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY11D	1.00	1611		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
MCJY11S	1.00	1614		X	X	_	X	X	X	_	X	X	X	X	_	_	X	_	X	_	_	X	_	_	X	X	_
MCJY12	1.00	1616		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY13	1.00	1619		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY15	1.00	1622		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
MCJY16	1.00	1624		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY17	1.00	1627		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CV	1.00	1630		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_
CCV	1.00	1632		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	_	X	_	X	X	_
CCB	1.00	1635		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY18	1.00	1638		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
M[illegible]Y19	1.00	1640		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
M[illegible]Y32	1.00	1643		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY33	1.00	1646		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CJY33D	1.00	1648		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
MCJY33S	1.00	1651		X	X	_	X	X	X	_	X	X	X	X	_	_	X	_	X	_	_	X	_	_	X	X	_
CJY35	1.00	1653		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CSA	1.00	1656		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
ICSAB	1.00	1659		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
RI	1.00	1701		_	X	_	_	X	X	_	X	X	X	_	_	_	X	_	X	_	_	X	_	_	X	X	_
CV	1.00	1704		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_
CCV	1.00	1707		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	_	X	_	X	X	_
CCB	1.00	1709		X	X	_	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

U.S. EPA - CLP

6
DUPLICATES

ORIGINAL

EPA SAMPLE NO.

0000040

MCJY33D
Filtered

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11.8000	U	11.8000	U			P
Antimony		16.2000	U	16.2000	U			P
Arsenic		1.1000	U	1.1000	U			F
Barium	200.0	221.9400		167.3300	B	28.1		P
Beryllium		0.2000	U	0.2000	U			P
Cadmium		1.7000	U	1.7000	U			P
Calcium	5000.0	20773.7700		15776.6300		27.3		P
Chromium		1.8000	U	1.8000	U			P
Cobalt		1.7000	U	2.4200	B	200.0		P
Copper		1.7000	U	1.7000	U			P
Iron		8166.6300		6184.5300		27.6	*	P
Lead		0.4000	U	0.4000	U			F
Magnesium	5000.0	11165.4000		8214.8500		30.4		P
Manganese		483.7800		367.3600		27.4	*	P
Mercury		0.2000	U	0.2000	U			CV
Nickel		6.5000	U	6.5000	U			P
Potassium		1692.0800	B	2441.0200	B	36.2		P
Selenium		0.7000	U	0.7000	U			F
Silver		3.7000	U	3.7000	U			P
Sodium		3964.7300	B	3016.2000	B	27.2		P
Thallium		0.6000	U	0.6000	U			F
Vanadium		9.0000	U	9.0000	U			P
Zinc	20.0	35.1600		26.9000		26.6		P
Cyanide								NR

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.
0000~~0039~~ ORIGINAL (Reg)
MCJY11D
non-filtered

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		111.8900	B	116.4700	B	4.0		P
Antimony		16.2000	U	16.2000	U			P
Arsenic		1.1000	U	1.1000	U			F
Barium		28.7400	B	29.1500	B	1.4		P
Beryllium		0.2000	U	0.2000	U			P
Cadmium		1.7000	U	1.7000	U			P
Calcium		139246.6090		142532.6500		2.4		P
Chromium		2.1900	B	2.1900	B	0.0		P
Cobalt		1.7000	U	1.7000	U			P
Copper	25.0	50.0400		53.2200		6.2		P
Iron		1525.8400		1536.8500		0.7		P
Lead	3.0	7.5000		7.5000		0.0		F
Magnesium	5000.0	22141.2400		22717.6100		2.6		P
Manganese	15.0	31.6000		31.7700		0.5		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		6.5000	U	6.5000	U			P
Potassium		1440.3500	B	1503.7700	B	4.3		P
Selenium		0.7000	U	0.7000	U			F
Silver		3.7000	U	3.7000	U			P
Sodium		1636.0800	B	1841.2200	B	11.8		P
Thallium		0.6000	U	0.6000	U			F
Vanadium		9.0000	U	9.0000	U			P
Zinc	20.0	25.4300		26.2600		3.2		P
Cyanide		2.0000	U	2.0000	U			AS

U.S. EPA - CLP

14

ANALYSIS RUN LOG

ORIGINAL (Red)

0000074

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY07

Instrument ID Number: PC5100_____ Method: F_

Start Date: 07/06/92 End Date: 07/06/92

EPA Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
ZZZZZZ	1.00	1029																													
ZZZZZZ	1.00	1034																													
ZZZZZZ	1.00	1039																													
CCV	1.00	1043																						X							
CCB	1.00	1048																						X							
ZZZZZZ	1.00	1053																													
ZZZZZZ	1.00	1057																													
ZZZZZZ	1.00	1102																													
ZZZZZZ	1.00	1107																													
ZZZZZZ	1.00	1111																													
ZZZZZZ	1.00	1116																													
ZZZZZZ	1.00	1121																													
ZZZZZZ	1.00	1125																													
CCV	1.00	1130																						X							
CCB	1.00	1135																						X							
ZZZZZZ	1.00	1139																													
ZZZZZZ	1.00	1144																													
ZZZZZZ	1.00	1149																													
ZZZZZZ	1.00	1153																													
ZZZZZZ	1.00	1158																													
ZZZZZZ	1.00	1203																													
ZZZZZZ	1.00	1208																													
ZZZZZZ	1.00	1213																													
CCV	1.00	1217																						X							
CCB	1.00	1222																						X							
PBW	1.00	1226																						X							
PBWA	1.00	1231	104.0																					X							
LCSW	4.00	1236																						X							
LCSWA	4.00	1240	89.0																					X							
MCJY08	1.00	1245																						X							
MCJY08A	1.00	1250	78.0																					X							
MCJY09	1.00	1254																						X							

U.S. EPA - CLP

14

ANALYSIS RUN LOG

ORIGINAL (Red)

0000075

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY07

Instrument ID Number: PC5100_____ Method: F_

Start Date: 07/06/92 End Date: 07/06/92

EPA Sample No.	D/F	Time	% R	Analytes																													
				ALK	BS	ASA	BA	BE	CD	CA	CR	CO	CU	CE	FB	PB	MG	MN	HG	NI	KI	SE	AG	AL	LI	VI	ZN	CN
MCJY09A	1.00	1259	72.0																							X		
CCV	1.00	1303																								X		
CCB	1.00	1308																								X		
MCJY10	1.00	1313																								X		
MCJY10A	1.00	1317	60.5																							X		
MCJY11	1.00	1322																								X		
MCJY11A	1.00	1327	77.5																							X		
MCJY11D	1.00	1331																								X		
MCJY11DA	1.00	1336	80.5																							X		
MCJY11S	1.00	1341																								X		
MCJY12	1.00	1345																								X		
MCJY12A	1.00	1350	73.5																							X		
CCV	1.00	1355																								X		
CCB	1.00	1359																								X		
MCJY07	1.00	1418																								X		
MCJY07A	1.00	1422	102.0																							X		
MCJY13	1.00	1427																								X		
MCJY13A	1.00	1431	80.0																							X		
MCJY15	1.00	1436																								X		
MCJY15A	1.00	1441	82.0																							X		
MCJY16	1.00	1445																								X		
MCJY16A	1.00	1450	84.0																							X		
CCV	1.00	1455																								X		
CCB	1.00	1459																								X		
MCJY17	1.00	1504																								X		
MCJY17A	1.00	1509	84.0																							X		
MCJY18	1.00	1513																								X		
MCJY18A	1.00	1518	82.0																							X		
MCJY19	1.00	1522																								X		
MCJY19A	1.00	1527	89.0																							X		
MCJY32	1.00	1532																								X		
MCJY32A	1.00	1536	101.0																							X		

U.S. EPA - CLP

14
ANALYSIS RUN LOG

ORIGINAL (Red)

0000076

Lab Name: ITAS_PITTSBURGH____________ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _______ SDG No.: MCJY07

Instrument ID Number: PC5100________ Method: F_

Start Date: 07/06/92 End Date: 07/06/92

EPA Sample No.	D/F	Time	% R	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	1541																						X			
CCB	1.00	1546																						X			
MCJY33	1.00	1550																						X			
MCJY33A	1.00	1555	85.0																					X			
MCJY33D	1.00	1600																						X			
MCJY33DA	1.00	1604	84.0																					X			
MCJY33S	1.00	1609																						X			
MCJY35	1.00	1614																						X			
MCJY35A	1.00	1618	86.0																					X			
CCV	1.00	1623																						X			
CCB	1.00	1628																						X			

ORIGINAL (Red)

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.
0000037

MCJY11S
non-filtered

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2120.0500		111.8900	B	2000.00	100.4		P
Antimony	75-125	493.7900		16.2000	U	500.00	98.8		P
Arsenic	75-125	35.9000		1.1000	U	40.00	89.8		F
Barium	75-125	1985.0500		28.7400	B	2000.00	97.8		P
Beryllium	75-125	47.4000		0.2000	U	50.00	94.8		P
Cadmium	75-125	49.4000		1.7000	U	50.00	98.8		P
Calcium									NR
Chromium	75-125	189.6600		2.1900	B	200.00	93.7		P
Cobalt	75-125	485.8300		1.7000	U	500.00	97.2		P
Copper	75-125	296.2500		50.0400		250.00	98.5		P
Iron	75-125	2521.9400		1525.8400		1000.00	99.6		P
Lead	75-125	28.2000		7.5000		20.00	103.5		F
Magnesium									NR
Manganese	75-125	502.7000		31.6000		500.00	94.2		P
Mercury	75-125	0.9270		0.2000	U	1.00	92.7		CV
Nickel	75-125	498.9400		6.5000	U	500.00	99.8		P
Potassium									NR
Selenium	75-125	8.9000		0.7000	U	10.00	89.0		F
Silver	75-125	42.4700		3.7000	U	50.00	84.9		P
Sodium									NR
Thallium	75-125	35.6000		0.6000	U	50.00	71.2	N	F
Vanadium	75-125	497.0100		9.0000	U	500.00	99.4		P
Zinc	75-125	516.7700		25.4300		500.00	98.3		P
Cyanide	75-125	92.1780		2.0000	U	100.00	92.2		AS

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

0000038

MCJY33S
Filtered

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY07

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2007.5200		11.8000	U	2000.00	100.4		P
Antimony	75-125	494.3400		16.2000	U	500.00	98.9		P
Arsenic	75-125	37.0000		1.1000	U	40.00	92.5		F
Barium	75-125	2185.3300		221.9400		2000.00	98.2		P
Beryllium	75-125	48.4800		0.2000	U	50.00	97.0		P
Cadmium	75-125	49.8000		1.7000	U	50.00	99.6		P
Calcium									NR
Chromium	75-125	189.0300		1.8000	U	200.00	94.5		P
Cobalt	75-125	497.1000		1.7000	U	500.00	99.4		P
Copper	75-125	245.6600		1.7000	U	250.00	98.3		P
Iron		9046.4600		8166.6300		1000.00	88.0		P
Lead	75-125	20.0000		0.4000	U	20.00	100.0		F
Magnesium									NR
Manganese	75-125	955.1700		483.7800		500.00	94.3		P
Mercury	75-125	0.9370		0.2000	U	1.00	93.7		CV
Nickel	75-125	507.5400		6.5000	U	500.00	101.5		P
Potassium									NR
Selenium	75-125	9.4000		0.7000	U	10.00	94.0		F
Silver	75-125	45.4500		3.7000	U	50.00	90.9		P
Sodium									NR
Thallium	75-125	40.0000		0.6000	U	50.00	80.0		F
Vanadium	75-125	500.0800		9.0000	U	500.00	100.0		P
Zinc	75-125	529.8100		35.1600		500.00	98.9		P
Cyanide									NR

Comments:

U.S. EPA - CLP

14

ANALYSIS RUN LOG

ORIGINAL (Red)

0000069

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY07

Instrument ID Number: PC5100_____ Method: F_

Start Date: 07/07/92 End Date: 07/07/92

EPA Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
MCJY08	1.00	0241																			X										
MCJY08A	1.00	0245	104.0																		X										
MCJY09	1.00	0248																			X										
MCJY09A	1.00	0252	96.0																		X										
CCV	1.00	0255																			X										
CCB	1.00	0259																			X										
MCJY10	1.00	0302																			X										
MCJY10A	1.00	0306	66.0																		X										
MCJY11	1.00	0309																			X										
MCJY11A	1.00	0313	96.0																		X										
MCJY11D	1.00	0317																			X										
MCJY11DA	1.00	0320	105.0																		X										
MCJY11S	1.00	0324																			X										
CCV	1.00	0327																			X										
CCB	1.00	0331																			X										
MCJY12	1.00	0337																			X										
MCJY12A	1.00	0340	103.0																		X										
MCJY13	1.00	0344																			X										
MCJY13A	1.00	0347	94.0																		X										
MCJY15	1.00	0351																			X										
MCJY15A	1.00	0354	95.0																		X										
MCJY16	1.00	0358																			X										
MCJY16A	1.00	0401	88.0																		X										
CCV	1.00	0404																			X										
CCB	1.00	0408																			X										
MCJY17	1.00	0411																			X										
MCJY17A	1.00	0415	106.0																		X										
MCJY18	1.00	0418																			X										
MCJY18A	1.00	0422	95.0																		X										
MCJY19	1.00	0425																			X										
MCJY19A	1.00	0429	108.0																		X										
MCJY32	1.00	0432																			X										

ORIGINAL
(Red)

CASE 18347

APPENDIX C

SUPPORT DOCUMENTATION

SDG MCJY21

000000 ORIGINAL (Red)

CASE NARRATIVE

JUL 1992 RECEIVED

Laboratory Name:	ITAS Pittsburgh, Pennsylvania
Laboratory Code:	ITPA
Project Name:	USEPA/CLP
Inorganic SOW:	ILM02.1
Project Number:	662004
Work Order Number:	Q206155
Contract Number:	68-D2-0044
Case Number:	18347
SDG Number:	MCJY21

Sample Number:				
	MCJY21	MCJY24	MCJY27	MCJY30
	MCJY22	MCJY25	MCJY28	MCJY31
	MCJY23	MCJY26	MCJY29	

Shipment

Eleven soil samples were received at the ITAS Pittsburgh Laboratory on June 24, 1992, for metals and cyanide analysis.

Metals

A duplicate digestion and a matrix spike were performed on sample MCJY25. A serial dilution was performed on sample MCJY21.

- The matrix spike for antimony exceeded the 75-125 percent control limits and all associated results were flagged with the "N" qualifier.
- The duplicate digestion for aluminum exceeded the 20 percent control limit and all associated results were flagged with the "*" qualifier.
- The serial dilution for zinc was beyond the 10 percent control limit and all associated results were flagged with the "E" qualifier.
- A dilution was reported for iron on sample MCJY28, due to a concentration greater than the linear range.
- The ICP analysis was used to determine the initial GFAA dilutions for lead.

ORIGINAL

00000

Metals (Continued)

- Dilutions were reported for lead on samples MCJY25, MCJY25D, MCJY25S, MCJY26, MCJY27, MCJY28, MCJY29, and MCJY31, due to concentrations greater than the calibration range.
- Sample MCJY22 for selenium and samples MCJY21 and MCJY31 for lead were analyzed by method of standard additions. The correlation coefficients were greater than 0.995 and these results were flagged with the "S" qualifier

Cyanide Analysis

A duplicate and matrix spike were performed on sample MCJY25.

U.S. EPA - CLP

ORIGINAL (Red)

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MCJY25S
0000032

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL__ Level (low/med): LOW___

% Solids for Sample: _80.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	23.5649		4.0049	U	123.61	19.1	N	P
Arsenic	75-125	15.8962		7.8863		9.89	81.0		F
Barium	75-125	615.1743		142.4104		494.44	95.6		P
Beryllium	75-125	12.7268		1.0902	B	12.36	94.1		P
Cadmium	75-125	11.1347		0.4203	B	12.36	86.7		P
Calcium									NR
Chromium	75-125	58.2274		11.9778		49.44	93.5		P
Cobalt	75-125	140.4648		19.3127		123.61	98.0		P
Copper	75-125	87.8690		28.6650		61.80	95.8		P
Iron									NR
Lead		41.9283		34.9567		4.94	141.1		F
Magnesium									NR
Manganese		1512.5983		1174.6156		123.61	273.4		P
Mercury	75-125	0.7275		0.1177	U	0.59	123.3		CV
Nickel	75-125	141.5130		22.1681		123.61	96.5		P
Potassium									NR
Selenium	75-125	2.2002		0.3461	B	2.47	75.1		F
Silver	75-125	10.0692		0.9147	U	12.36	81.5		P
Sodium									NR
Thallium	75-125	11.5698		0.1978	U	12.36	93.6		F
Vanadium	75-125	139.3424		18.2843		123.61	97.9		P
Zinc	75-125	201.1471		77.9629		123.61	99.7		P
Cyanide	75-125	5.3359		0.2468	U	6.18	86.3		AS

Placed Reference out

Comments:

U.S. EPA - CLP

SB
POST DIGEST SPIKE SAMPLE RECOVERY

ORIGINAL (Red)

EPA SAMPLE NO.

MCJY25A
0000033

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water) : SOIL__ Level (low/med): LOW___

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									NR
Antimony		106.53		16.20	U	120.0	88.8		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY21L

0000037

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	12930.63		13852.50		7.1		P
Antimony	16.20	U	81.00	U			P
Arsenic							
Barium	500.23		529.10	B	5.8		P
Beryllium	4.82	B	6.40	B	32.8		P
Cadmium	1.70	U	8.50	U			P
Calcium	34619.89		37743.80		9.0		P
Chromium	34.41		42.75	B	24.2		P
Cobalt	165.99		182.55	B	10.0		P
Copper	72.30		77.00	B	6.5		P
Iron	162241.48		177149.65		9.2		P
Lead							
Magnesium	2007.66	B	2194.80	B	9.3		P
Manganese	8932.72		9622.85		7.7		P
Mercury							
Nickel	198.82		206.70		4.0		P
Potassium	2737.77	B	4386.55	B	60.2		P
Selenium							
Silver	3.70	U	18.50	U			P
Sodium	286.14	B	360.25	B	25.9		P
Thallium							
Vanadium	50.53		52.80	B	4.5		P
Zinc	482.23		537.60		11.5	E	P

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

ORIGINAL (Red)

MCJY25D
0000034

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.: MCJY21

Matrix (soil/water): SOIL_ Level (low/med): _LOW__

% Solids for Sample: _80.9 % Solids for Duplicate: __81.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8269.2089		10305.3597		21.9	*	P
Antimony		4.0049	U	4.0049	U			P
Arsenic	2.5	7.8863		8.4549		7.0		F
Barium	49.4	142.4104		164.9839		14.7		P
Beryllium	1.2	1.0902	B	1.2485		13.5		P
Cadmium		0.4203	B	0.4203	U	200.0		P
Calcium	1236.1	2642.7713		2661.2361		0.7		P
Chromium	2.5	11.9778		14.3263		17.9		P
Cobalt	12.4	19.3127		20.2225		4.6		P
Copper	6.2	28.6650		29.7824		3.8		P
Iron		33916.1182		35482.3782		4.5		P
Lead		34.9567		34.0667		2.6		F
Magnesium		1031.1125	B	1169.3622	B	12.6		P
Manganese		1174.6156		1274.5637		8.2		P
Mercury		0.1177	U	0.1212	U			CV
Nickel	9.9	22.1681		25.7454		14.9		P
Potassium	1236.1	1236.5043		1597.1669		25.5		P
Selenium		0.3461	B	0.4450	B	25.0		F
Silver		0.9147	U	0.9147	U			P
Sodium		118.6749	B	118.4598	B	0.2		P
Thallium		0.1978	U	0.1978	U			F
Vanadium	12.4	18.2843		22.4549		20.5		P
Zinc		77.9629		86.7392		10.7		P
Cyanide		0.2468	U	0.2746	B	200.0		AS

gk doesn't exceed usability limits

FORM VI - IN

ILM02.1

ORIGINAL (Red)

14

ANALYSIS RUN LOG

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044 0000070

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY21

Instrument ID Number: PC5100_____ Method: F_

Start Date: 07/07/92 End Date: 07/07/92

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	0436																										
CCV	1.00	0439																			X							
CCB	1.00	0443																			X							
ZZZZZZ	1.00	0446																										
ZZZZZZ	1.00	0450																										
ZZZZZZ	1.00	0454																										
ZZZZZZ	1.00	0457																										
ZZZZZZ	1.00	0501																										
ZZZZZZ	1.00	0505																										
ZZZZZZ	1.00	0508																										
PBS	1.00	0512																			X							
PBSA	1.00	0515	107.0																		X							
CCV	1.00	0519																			X							
CCB	1.00	0522																			X							
ZZZZZZ	1.00	0527																										
ZZZZZZ	1.00	0531																										
LCSS	10.00	0534																			X							
LCSSA	10.00	0537	102.0																		X							
MCJY21	1.00	0541																			X							
MCJY21A	1.00	0544	93.0																		X							
MCJY22	1.00	0548																										
MCJY22A	1.00	0551	82.0																									
MCJY23	1.00	0555																			X							
MCJY23A	1.00	0558	105.0																		X							
CCV	1.00	0602																			X							
CCB	1.00	0605																			X							
MCJY24	1.00	0609																			X							
MCJY24A	1.00	0612	69.0																		X							
MCJY25	1.00	0616																			X							
MCJY25A	1.00	0619	82.0																		X							
MCJY25D	1.00	0623																			X							
MCJY25DA	1.00	0626	84.0																		X							

U.S. EPA - CLP

8

STANDARD ADDITION RESULTS

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH_____ Contract:68-D2-0044 0000036

Lab Code: ITPA__ Case No.: 18347_ SAS No.:_____ SDG No.:MCJY21

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q
MCJY21	PB	0.068	5.00	0.093	10.00	0.122	15.00	0.143	13.5	0.9983	
MCJY31	PB	0.041	5.00	0.068	10.00	0.092	15.00	0.117	8.3	0.9997	
MCJY22	SE	0.018	5.00	0.037	10.00	0.050	15.00	0.068	5.8	0.9976	

ORIGINAL
(Red)

CASE 18347

APPENDIX C

SUPPORT DOCUMENTATION

ALL SDGs

14
ANALYSIS RUN LOG

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH__________ Contract: 68-D2-0044 0000071

Lab Code: ITPA__ Case No.: 18347_ SAS No.: ______ SDG No.: MCJY21

Instrument ID Number: PC5100_______ Method: F_

Start Date: 07/07/92 End Date: 07/07/92

EPA Sample No.	D/F	Time	% R	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MCJY25S	1.00	0630																									
MCJY26	1.00	0633																			X						
MCJY26A	1.00	0637	84.0																		X						
CCV	1.00	0640																			X						
CCB	1.00	0644																			X						
MCJY27	1.00	0647																			X						
MCJY27A	1.00	0651	74.0																		X						
MCJY28	1.00	0654																			X						
MCJY28A	1.00	0658	82.0																		X						
MCJY29	1.00	0701																			X						
MCJY29A	1.00	0705	77.0																		X						
MCJY30	1.00	0708																			X						
MCJY30A	1.00	0712	82.0																		X						
MCJY31	1.00	0715																			X						
MCJY31A	1.00	0719	83.0																		X						
CCV	1.00	0723																			X						
CCB	1.00	0726																			X						
MCJY25S	1.00	0738																			X						
ZZZZZZ	1.00	0741																									
ZZZZZZ	1.00	0745																									
ZZZZZZ	1.00	0748																									
ZZZZZZ	1.00	0752																									
ZZZZZZ	1.00	0755																									
ZZZZZZ	1.00	0759																									
ZZZZZZ	1.00	0802																									
ZZZZZZ	1.00	0806																									
CCV	1.00	0809																			X						
CCB	1.00	0813																			X						

14

ANALYSIS RUN LOG

ORIGINAL (Red)

Lab Name: ITAS_PITTSBURGH_____ Contract: 68-D2-0044 0000060

Lab Code: ITPA__ Case No.: 18347_ SAS No.: _____ SDG No.:MCJY21

Instrument ID Number: PE5100_____ Method: F_

Start Date: 07/07/92 End Date: 07/07/92

EPA Sample No.	D/F	Time	% R	Analytes																											
				ALK	BS	ABS	BE	BIC	CAD	CAR	CIO	CUN	FE	PB	MG	MN	HG	NI	KS	SE	AG	AL	NI	TL	VA	ZN	CN
MCJY21A	1.00	1615	112.0																					X			
MCJY22	1.00	1619																						X			
MCJY22A	1.00	1624	114.5																					X			
CCV	1.00	1628																						X			
CCB	1.00	1633																						X			
MCJY23	1.00	1637																						X			
MCJY23A	1.00	1642	111.5																					X			
MCJY24	1.00	1647																						X			
MCJY24A	1.00	1651	89.0																					X			
MCJY25	1.00	1656		W																				X			
MCJY25A	1.00	1700	115.5																					X			
MCJY25D	1.00	1705																						X			
MCJY25DA	1.00	1710	116.0																					X			
CCV	1.00	1714																						X			
CCB	1.00	1719																						X			
MCJY25S	1.00	1723																						X			
MCJY26	1.00	1728																						X			
MCJY26A	1.00	1733	112.5																					X			
MCJY27	1.00	1737		W																				X			
MCJY27A	1.00	1742	115.5																					X			
CCV	1.00	1747																						X			
CCB	1.00	1751																						X			
MCJY28	1.00	1756																						X			
MCJY28A	1.00	1801	108.0	W																				X			
MCJY29	1.00	1805																						X			
MCJY29A	1.00	1810	122.0																					X			
MCJY30	1.00	1815		W																				X			
MCJY30A	1.00	1819	119.0																					X			
MCJY31	1.00	1824		W																				X			
MCJY31A	1.00	1829	117.0																					X			
CCV	1.00	1833																						X			
CCB	1.00	1838																						X			

ORIGINAL (Red)

page 3 of 4

EPA SAMPLE SHIPPING LOG FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM (12/85 Version)

CASE# 18347 SAS# _____ SITE NAME: HOFFMAN LF (MD 04)

Site Leader: JENNIFER WOODS
Phone: (910) 631 3455

EPA Project Officer: MELISSA WHITTINGTON
(215) 597 - 3437

SAS REQUEST: (details required)

RECEIVED JUL 1992

SAMPLE INFO AND/OR COMMENTS	CONC. (low/med/high)	SAMPLE PHASE (aq/sol)	TYPE OF REQUEST org, dio inor, SAS	SAMPLE TRAFFIC REPORT NUMBER	ORGANICS OR INORGANICS LAB NAME	DATE SHIPPED	DATA RECEIVED XX out items not requested VOA	BNA	PEST	TCDD	METALS	CN	SAS REQUEST LAB NAME	SAS REQUEST (itemize)	DATE SHIPPED	DATA REC'D
Blank	L	AQ	INORG	MCSY 07	IT Analytical Services	6/23/92					✓	✓				
				MCSY 08							✓	✓				
F MCSY 12				MCSY 09							✓	✓				
				MCSY 10							✓	✓				
ike				MCSY 11							✓	✓				
F MCSY 09				MCSY 12							✓	✓				
				MCSY 13							✓	✓				
				MCSY 15							✓	✓				
				MCSY 16							✓	✓				
				MCSY 17							✓	✓				
				MCSY 18							✓	✓				
				MCSY 19							✓	✓	rec'd	7/17/92		
											DISSOLVED					
Blank	L	AQ	INORG	MCSY 32	IT	6/23/92					✓	✓				
ike F MCSY 15				MCSY 33							✓					
ike F MCSY 33				MCSY 35							✓	✓	rec'd	7/17/92		

MDTEST

ORIGINAL (Red)

page 4 of 4

EPA SAMPLE SHIPPING LOG FOR ALL SAMPLES SENT THROUGH THE CONTRACT LAB PROGRAM (12/85 version)

JUL 1992 RECEIVED

CASE# 18347 SAS# _____ SITE NAME: Hoffman (MD 04)

SAS REQUEST: (details required)

Site Leader: Jennifer Woods EPA Project Officer: Melissa Whittington

Phone: (410) 631-3455 (215) 597-3437

SAMPLE INFO AND/OR COMMENTS	CONC. (low/med/high)	SAMPLE PHASE (aq/sol)	TYPE OF REQUEST org, dio inor, SAS	SAMPLE TRAFFIC REPORT NUMBER	ORGANICS OR INORGANICS: LAB NAME	DATE SHIPPED	DATA RECEIVED XX out items not requested: VOA	BNA	PEST	TCDD	METALS	CN	LAB NAME	SAS REQUEST (itemize)	DATE SHIPPED	DATA REC'D
	L	Solid	INORG	MCSY 21	ST Analytical Export PA	6/23/92					✓	✓				
				MCSY 22							✓	✓				
				MCSY 23							✓	✓				
				MCSY 24							✓	✓				
...ike				MCSY 25							✓	✓				
				MCSY 26							✓	✓				
...of MCSY 31				MCSY 27							✓	✓				
				MCSY 28							✓	✓				
				MCSY 29							✓	✓				
				MCSY 30							✓	✓				
...of MCSY 27				MCSY 31							✓	✓	rec'd	7/17/92	gg	

EPA Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

& Chain of Custody Record
(For Inorganic CLP Analysis)

18397

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (SAS) (Specify)
N. Not preserved

3. Region No.: III
Sampling Co.: MDE / HSWMA
5. Date Shipped: 6/23/92
Carrier: FEDEX
7. Date Received -- Received by: 6-24-92 J. Smith
Laboratory Contract Number: 68-D2-0044
Sampler (Name): JENNIFER WOOD
Airbill Number: 4209 9580 30
Sampler Signature: [signature]
6. Ship To: CT ANALYTICAL SERVICES - EXPORT, 5105 OLD LINCOLN HWY, EXPORT, PA 15632, ATTN: ROBERT FINLAY, (412) 731-8464 0006
8. Transfer to
Date Received
Received by
Contract Number
Price

4. Type of Activity: Lead / Pre-Remedial / Remedial / Removal
SF, PRP, ST, FED; PA, SSI, LSI; RIFS, RD, RA, O&M, NPLD; CLEM, REMA, REM, OIL, UST

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids +	Water - MS Liq.	Non - Water - MS Liq.
MCJ107	3	L	G	2,3	X		X					3-1185901 3-1185902	PLR-1	6/23/92 830	JW	CKT 19	OK			
MCJ108	2	L	G	2,3	X		X					3-1185903 3-1185904	GW1	6/23/92 830	JW/MW	CKT 15				
MCJ109	2	L	G	2,3	X		X					3-1185905 3-1185906	GW2	6/23/92 1045	JW/MW	CKT 16				
MCJ110	2	L	G	2,3	X		X					3-1185907 3-1185908	GW3	6/23/92 1200	JW/MW	CKT 17				
MCJ111	2	L	G	2,3	X		X					3-1185909 3-1185912	GW7	6/23/92 1015	JW/MW	CKT 18				
MCJ112	2	L	G	2,3	X		X					3-1185913 3-1185914	GW5	6/23/92 1045	JW/MW	CKT 19				
MCJ113	2	L	G	2,3	X		X					3-1185915 3-1185916	GW6	6/23/92 1345	JW	CKT 20				
~~MCJ114~~	~~2~~	~~L~~	~~G~~	~~2,3~~	~~X~~		~~X~~					~~3-1185917 3-1185918~~ NO								
MCJ115	1	L	G	2,3	X		X					3-1185919 3-1185920	SW1	6/23/92 945	JW/MW	CKT 21				
MCJ116	1	L	G	2,3	X		X					3-1185921 3-1185922	SW2	6/23/92 930	JW/MW	CKT 21				

Shipment for Case complete? (Y/N): Y
Page 1 of 3
Sample used for a spike and/or duplicate: DO QC ON MCJ111
Additional Sampler Signatures: [signature] Michele A. Yeager
Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	
		J. Smith	6-24-92 0930		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used.
DISTRIBUTION: Green - Region Copy, Pink - SMO Copy, White - Lab Copy, Yellow - Lab Copy for Return to SMO

0000860

0 0 0 2 5 7

ORIGINAL (Red)

EPA United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable)

Case No. 18347

1. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)

2. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (SAS) (Specify) N. Not preserved

3. Region No.: III

Sampling Co.: MDE/ASWMA

Sampler (Name): Jennifer Woods

Sampler Signature: [signature]

4. Type of Activity: Lead: SF, PRP, ST, FED; Pre-Remedial: PA, SSI, LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST

5. Date Shipped: 6/23/92

Carrier: FED/EX

Airbill Number: 4208458030

6. Ship To: IT ANALYTICAL SERVICES-EXPOR
5103 OLD WILLIAM PENN HWY
EXPORT, PA 15632
ATTN: ROBERT FINLAY
(412) 731-8806

7. Date Received -- Received by: 6-24-92 [signature]

Laboratory Contract Number: 68-D2-0044

Unit Price

8. Transfer to

Date Received

Received by

Contract Number

Price

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MS Liq.	Non Water - MS Liq.
MCSY 17	1	L	G	2,3	X		X					3-1185923 3-1185924	SW3	6/23/92 1050	[signature]	CKY 24	OK			
MCSY 18	1	L	G	2,3	X		X					3-1185925 3-1185926	SW4	6/23/92 1215	[signature]	CKY 25				
MCSY 19	3	L	G	2,3	X		X					3-1185927 3-1185928	LT1	6/23/92 0915	[signature]	CKY 26				
~~MCSY 20~~	~~3~~	~~L~~	~~G~~	~~2,3~~	~~X~~		~~X~~					~~3-1185929 3-1185930~~	~~LT2~~			~~CKY 27~~				
MCSY 21	5	L	G	6	X		X					3-1185931	SED1	6/23/92 945	[signature]	CKY 28				
MCSY 22	5	L	G	6	X		X					3-1185932	SED2	6/23/92 930	[signature]	CKY 29				
MCSY 23	5	L	G	6	X		X					3-1185933	SED3	6/23/92 1050	[signature]	CKY 30				
MCSY 24	5	L	G	6	X		X					3-1185934	SED4	6/23/92 1215	[signature]	CKY 31				
MCSY 25	5	L	G	6	X		X					3-1185935	S1	6/23/92 1200	[signature]	CKY 32				
MCSY 26	5	L	G	6	X		X					3-1185936	S2	6/23/92 1000	[signature]	CKY 33				

Shipment for Case complete? (Y/N): Y

Page 1 of 3

Sample used for a spike and/or duplicate: Do QC on MCSY 25

Additional Sampler Signatures: [signature] [signature]

Chain of Custody Seal Number

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Received by: (Signature) Date / Time

00003399

ORIGINAL (Red)

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490, FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analysis)

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (SAS) (Specify)
N. Not preserved

3. Region No.: III
Sampling Co.: MDE/HSWMA
Sampler (Name): Jennifer Woods
Sampler Signature: [signature]

4. Type of Activity
Lead: SF, PRP, ST, FED
Pre-Remedial: PA, SSI, LSI
Remedial: RIFS, RD, RA, O&M, NPLD
Removal: CLEM, REMA, REM, OIL, UST

5. Date Shipped: 6/18/92
Carrier: FED EX
Airbill Number: 4208458030

6. Ship To
IT ANALYTICAL SERVICES - EXPORT
(5103 OLD WILLIAM PENN HWY
EXPORT, PA 15632
ATTN: ROBERT FINLAY
(412) 731-8806

SAS No. (if applicable):
Case No.: 18347
7. Date Received -- Received by: 6-24-92 [signature]
Laboratory Contract Number: 68-D2-0044
8. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. Nitrate/Nitrite	Low Conc. Fluoride	High pH	High Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MS Liq.	Non Water - Ms Liq.
MCTY 27	5	L	G	6	X		X					3-1185937	S3	6/23/92 930	[illegible]	CKY 34	OK			
MCTY 28	5	L	G	6	X		X					3-1185938	S4	6/23/92 900	[illegible]	CKY 35				
MCTY 29	5	L	G	6	X		X					3-1185939	S5	6/23/92 850	[illegible]	CKY 36				
MCTY 30	5	L	G	6	X		X					3-1185940	S6	6/23/92 1035	[illegible]	CKY 37				
MCTY 31	5	L	G	6	X		X					3-1185941	S7	6/23/92 930	[illegible]	CKY 38				
MCTY 32	2	L	G	2	X							3-1185942	BLK1	6/23/92 850	[illegible]	CKY 19				
MCTY 33	2	L	G	2	X							3-1185943	GW6	6/23/92 1341	RAD	CKY 20				
~~MCTY 34~~	~~2~~	~~L~~	~~G~~	~~2~~	~~X~~							~~3-1185944~~	~~GW7~~			~~CKY 21~~				
MCTY 35	2	L	G	2	X							3-1185945	GW DUP	6/23/92 1343	RAD	NA				
												3-1225237								

Shipment for Case complete? (Y/N): Y
Page 1 of 3
Sample used for a spike and/or duplicate: DO QC on MCTY 33
Additional Sampler Signatures: [signature]

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/92 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		[signature]	6/24/92 0[illegible]		

Chain of Custody Seal Number: * DIGESTION REQUIRED

Is custody seal intact? Yes / No

Form 9110-1 (Rev. 8-91) Replaces EPA Form (2075-6). Previous edition may be used.
DISTRIBUTION:
White - Region Copy Pink - Sample Delivery Group Lab Copy

[redacted]

00000400

DATA SUMMARY FORM: B N A S 1

Site Name: HOFFMAN LANDFILL

WATER SAMPLES
(µg/L)

Case #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor)

CRQL	COMPOUND	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Sample No.	CKY14		CKY15		CKY16		CKY17		CKY18		CKY19		CKY20		CKY22		CKY23	
	Dilution Factor	1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
	Location	BLK1 Field Blank		GW1		GW2 Field Dup of CKY19		GW3		GW4		GW5 Field Dup of CKY16		GW6		SW1		SW2	
10	Phenol															2	B		
10	bis(2-Chloroethyl)ether																		
10	2-Chlorophenol																		
10	*1,3-Dichlorobenzene																		
10	*1,4-Dichlorobenzene																		
10	1,2-Dichlorobenzene																		
10	2-Methylphenol																		
10	2,2'-Oxybis(1-chloropropane)																		
10	4-Methylphenol																		
10	N-Nitroso-di-n-propylamine																		
10	Hexachloroethane																		
10	Nitrobenzene																		
10	Isophorone																		
10	2-Nitrophenol																		
10	2,4-Dimethylphenol																		
10	bis(2-Chloroethoxy)methane																		
10	2,4-Dichlorophenol																		
10	1,2,4-Trichlorobenzene																		
10	Naphthalene																		
10	4-Chloroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

DATA SUMMARY FORM: B N A S 2

WATER SAMPLES
(µg/L)

ite Name: HOFFMAN LANDFILL

ase #: 18347 Sampling Date(s): 6/23/92

To calculate sample quantitation limit: (CRQL * Dilution Factor)

	Sample No.	CKY14	CKY15	CKY16	CKY17	CKY18	CKY19	CKY20	CKY22	CKY23
	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Location	BLK1	GW1	GW2	GW3	GW4	GW5	GW6	SW1	SW2
		Field Blank		Field Dup of CKY19			Field Dup. of CKY16			
CRQL	COMPOUND									
10	Hexachlorobutadiene									
10	4-Chloro-3-methylphenol									
10	2-Methylnaphthalene									
10	Hexachlorocyclopentadiene									
10	2,4,6-Trichlorophenol									
25	2,4,5-Trichlorophenol									
10	2-Chloronaphthalene									
25	2-Nitroaniline									
10	Dimethylphthalate									
10	Acenaphthylene									
10	2,6-Dinitrotoluene									
25	3-Nitroaniline									
10	Acenaphthene									
25	2,4-Dinitrophenol									
25	4-Nitrophenol									
10	Dibenzofuran									
10	2,4-Dinitrotoluene									
10	Diethylphthalate									
10	4-Chlorophenyl-phenylether									
10	Fluorene									
25	4-Nitroaniline									
25	4,6-Dinitro-2-methylphenol									

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

revised 07/90