402748

ORIGINAL
(Red)

PFE

ORIGINAL
(Red)

APPENDIX B

ORIGINAL
(Red)

WESTON

APPENDIX A

RESULTS REPORTED BY LABORATORY

FORM I'S

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG25

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 13742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG25

Level (low/med): LOW Date Received: 01/23/91

% 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	22100.00			P
7440-36-0	Antimony	13.70	B		P
7440-38-2	Arsenic	3.70	B		F
7440-39-3	Barium	[illegible]			P
[illegible]	Beryllium	[illegible]	B		P
[illegible]	Cadmium	1.30	B		P
[illegible]	Calcium	[illegible]			P
[illegible]	Chromium	112.0			P
[illegible]	Cobalt	37.30	B		P
7440-50-8	Copper	272.00			P
7439-89-6	Iron	64700.00			P
7439-92-1	Lead	415.00			F
7439-95-4	Magnesium	19900.00			P
7439-96-5	Manganese	978.00			P
7439-97-6	Mercury	0.35			CV
7440-02-0	Nickel	137.00			P
7440-09-7	Potassium	13000.00			P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	66200.00			P
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	434.00			P
7440-66-6	Zinc	730.00			P
	Cyanide	10.00	U		PS

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
10X DILUTION FOR PB

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: MCFG26

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0143

Lab Code: KEYSS Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG26

Level (low/med): LOW Date Received: 01/23/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.00	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.30	B		F
7440-39-3	Barium	15.70	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	22500.00			P
7440-47-3	Chromium	2.60	B		P
7440-48-4	Cobalt	3.90	B		P
7440-50-8	Copper	3.30	B		P
7439-89-6	Iron	5840.00		E	P
7439-92-1	Lead	6.30		W*	F
7439-95-4	Magnesium	5210.00			P
7439-96-5	Manganese	610.00			P
7439-97-6	Mercury	0.21		N*	CV
7439-02-0	Nickel	18.10	B		P
7440-09-7	Potassium	3200.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	3.10	B		P
7440-23-5	Sodium	679000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	308.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00004

EPA SAMPLE NO.

MCFG27

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG27

Level (low/med): LOW Date Received: 01/23/91

% 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	65000.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	432.00			P
7440-41-7	Beryllium	[illegible]			P
7440-43-9	Cadmium	7.20			P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	[illegible]			P
7440-48-4	Cobalt	[illegible]			P
7440-50-8	Copper	[illegible]			P
7439-89-6	Iron	60700.00			P
7439-92-1	Lead	14.70		S	F
7439-95-4	Magnesium	[illegible]			P
7439-96-5	Manganese	[illegible]			P
7439-97-6	Mercury	[illegible]			CV
7440-02-0	Nickel	[illegible]			P
7440-09-7	Potassium	13200.00			P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	166000.00			P
7440-28-0	Thallium	1.90	B	W	F
7440-62-2	Vanadium	137.00			P
7440-66-6	Zinc	[illegible]			P
	Cyanide	10.00	U		AS

Color Before: ORANGE Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG28

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG28

Level (low/med): LOW Date Received: 01/23/91

% 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	41900.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	13.60	B		P
7440-41-7	Beryllium	17.30			P
7440-43-9	Cadmium	3.00			P
7440-70-2	Calcium	172000.00			P
7440-47-3	Chromium	4.10	B		P
7440-48-4	Cobalt	509.00			P
7440-50-8	Copper	225.00			P
7439-89-6	Iron	30100.00		E	P
7439-92-1	Lead	3.30		SA	F
7439-95-4	Magnesium	47800.00			P
7439-96-5	Manganese	24800.00			P
7439-97-6	Mercury	0.21		NA	CV
7440-02-0	Nickel	455.00			P
7440-09-7	Potassium	3630.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	185000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	2.20	B		P
7440-66-6	Zinc	2390.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

00003 ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG29

Lab Name: NEWSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: NEWPA Case No.: 13742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG29

Level (low/med): LOW Date Received: 01/23/91

% 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	96200.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	600.00			P
7440-41-7	Beryllium	15.00			P
7440-43-9	Cadmium	5.00			P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	304.00			P
7440-48-4	Cobalt	502.00			P
7440-50-8	Copper	327.00			P
7439-89-6	Iron	109000.00			P
7439-92-1	Lead	26.40		B	F
7439-95-4	Magnesium	74300.00			P
7439-96-5	Manganese	[illegible]			P
7439-97-6	Mercury	[illegible]			CV
7440-02-0	Nickel	386.00			P
7440-09-7	Potassium	[illegible]			P
7782-49-2	Selenium	10.00	U	W	F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	17[illegible]000.00			P
7440-28-0	Thallium	2.20	B	W	F
7440-62-2	Vanadium	170.00			P
7440-66-6	Zinc	2460.00			P
	Cyanide	10.00	U		AS

Color Before: ORANGE Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
2X DILUTION FOR PB BY MSA
5X DILUTION FOR SE

00007

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG30

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 18742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG30

Level (low/med): LOW Date Received: 01/23/91

% 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	44400.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	14.50	B		P
7440-41-7	Beryllium	17.30			P
7440-43-9	Cadmium	5.30			P
7440-70-2	Calcium	16900.00			P
7440-47-3	Chromium	6.10	B		P
7440-48-4	Cobalt	502.00			P
7440-50-8	Copper	215.00			P
7439-89-6	Iron	47500.00		E	P
7439-92-1	Lead	9.40		S*	F
7439-95-4	Magnesium	46500.00			P
7439-96-5	Manganese	25000.00			P
7439-97-6	Mercury	0.21		N*	CV
7440-02-0	Nickel	473.00			P
7440-09-7	Potassium	3760.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	2.30	B		P
7440-23-5	Sodium	175000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	3.60	B		P
7440-66-6	Zinc	2470.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00006

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG31

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG23

Matrix (soil/water): WATER Lab Sample ID: MCFG31

Level (low/med): LOW Date Received: 01/23/91

% 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	21400.00			P
7440-36-0	Antimony	18.00	U		P
7440-38-2	Arsenic	6.40	B		P
7440-39-3	Barium	104.00	B		P
7440-41-7	Beryllium	2.50	B		P
7440-43-9	Cadmium	[illegible]			P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	2170.00			P
7440-48-4	Cobalt	49.00			P
7440-50-8	Copper	194.00			P
7439-89-6	Iron	47.60			P
7439-92-1	Lead	180000.00			P
7439-95-4	Magnesium	20.10			P
7439-96-5	Manganese	[illegible]			P
7439-97-6	Mercury	0.20	B		CV
7440-02-0	Nickel	234.00			P
7440-09-7	Potassium	3870.00			P
7782-49-2	Selenium	2.00	U	W	P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	625000.00			P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	28.40	B		P
7440-66-6	Zinc	1130.00			P
	Cyanide	10.00	U		AS

Color Before: ORANGE Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

1

00008

ORIGINAL (Red)

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG32

o Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG32

Level (low/med): LOW Date Received: 01/23/91

% 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	3800.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	21.50	B		P
7440-41-7	Beryllium	3.90	B		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	77600.00			P
7440-47-3	Chromium	13.70			P
7440-48-4	Cobalt	189.00			P
7440-50-8	Copper	10.70	B		P
7439-89-6	Iron	146000.00		E	P
7439-92-1	Lead	3.40		W*	F
7439-95-4	Magnesium	27900.00			P
7439-96-5	Manganese	6950.00			P
7439-97-6	Mercury	0.29		W*	CV
7439-98-7	Nickel	222.00			P
7440-09-7	Potassium	7440.00			P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	2.40	B		P
7440-23-5	Sodium	642000.00			P
7440-28-0	Thallium	4.00	U	W	F
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	1100.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG33

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYP4 Case No.: 13742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG33

Level (low/med): LOW Date Received: 01/23/91

% 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	10300.00			P
7440-36-0	Antimony	13.30	L		P
7440-38-2	Arsenic	6.20	B		P
7440-39-3	Barium	140.00	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	37711.00			P
7440-47-3	Chromium	24.50			P
7440-48-4	Cobalt	8.70	B		P
7440-50-8	Copper	47.00			P
7439-89-6	Iron	25000.00			P
7439-92-1	Lead	47.60			P
7439-95-4	Magnesium	17200.00			P
7439-96-5	Manganese	1000.00			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.70	B		P
7440-09-7	Potassium	1300.00			P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	281000.00			P
7440-28-0	Thallium	1.00	U		P
7440-62-2	Vanadium	25.70	B		P
7440-66-6	Zinc	160.00			P
	Cyanide	10.00	U		AS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG34

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG34

Level (low/med): LOW Date Received: 01/23/91

% 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	14.70	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	49.80	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		F
7440-70-2	Calcium	49900.00			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	10.30	B		P
7439-89-6	Iron	331.00		E	P
7439-92-1	Lead	1.50	B	*	F
7439-95-4	Magnesium	9770.00			P
7439-96-5	Manganese	989.00			P
7439-97-6	Mercury	0.21		NR	CV
7440-02-0	Nickel	8.00	U		P
7440-09-7	Potassium	10900.00			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	281000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	75.20			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ORIGINAL (red)

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

00008

EPA SAMPLE NO.

MCFG35

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG35

Level (low/med): LOW Date Received: 01/25/91

% 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	77200.00			P
7440-36-0	Antimony	62.10			P
7440-38-2	Arsenic	19.00			P
7440-39-3	Barium	611.00			P
7440-41-7	Beryllium	2.10	U		P
7440-43-9	Cadmium	12.90			P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	174.00			P
7440-48-4	Cobalt	62.20	B		P
7440-50-8	Copper	1100.00			P
7439-89-6	Iron	154000.00			P
7439-92-1	Lead	488.00		E	P
7439-95-4	Magnesium	138000.00			P
7439-96-5	Manganese	1660.00			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	498.00			P
7440-09-7	Potassium	15000.00			P
7782-49-2	Selenium	2.00	U	W	P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	1010000.00			P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	208.00			P
7440-66-6	Zinc	1210.00			P
	Cyanide	10.00	U		AS

Color Before: BLACK Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
20X DILUTION FOR PB BY MSA

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG36

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG36

Level (low/med): LOW Date Received: 01/25/91

% 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	53.40	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	3.70	B		F
7440-39-3	Barium	168.00	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		F
7440-70-2	Calcium	119000.00			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	19.60	B		F
7439-89-6	Iron	905.00		E	P
7439-92-1	Lead	4.30		WE	F
7439-95-4	Magnesium	177000.00			P
7439-96-5	Manganese	565.00			P
7439-97-6	Mercury	0.21		NE	CV
7439-02-0	Nickel	8.00	U		P
7440-09-7	Potassium	9360.00			P
7782-49-2	Selenium	2.00	U	N	F
7440-22-4	Silver	2.00	U		F
7440-23-5	Sodium	1040000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	26.50	B		P
7440-66-6	Zinc	70.80			P
	Cyanide				NR

Color Before: GREEN Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

▶ 00011

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG37

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG37

Level (low/med): LOW Date Received: 01/23/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.50	B		P
7440-36-0	Antimony	18.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	2.10	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	207.00	B		P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	4.80	B		P
7439-89-6	Iron	19.30	B	E	P
7439-92-1	Lead	1.00	U	*	F
7439-95-4	Magnesium	98.00	B		P
7439-96-5	Manganese	3.10	B		P
7439-97-6	Mercury	0.20	U	NV	CV
7439-02-0	Nickel	8.00	U		P
7440-09-7	Potassium	255.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	1160.00	B		P
7440-28-0	Thallium	4.00	U	W	F
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	77.10			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red) 00009

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG38

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0143

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG38

Level (low/med): LOW Date Received: 01/23/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.70	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		P
7440-39-3	Barium	1.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	27.40	B		P
7440-47-3	Chromium	1.40	B		P
7440-48-4	Cobalt	1.00	U		P
7440-50-8	Copper	4.20	B		P
7439-89-6	Iron	32.90	B		P
7439-92-1	Lead	1.00	U		P
7439-95-4	Magnesium	41.20	B		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	2.00	U		P
7440-09-7	Potassium	266.00	U		P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	187.00	B		P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	15.70	B		P
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

00010
ORIGINAL
(Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG39

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG39

Level (low/med): LOW Date Received: 01/23/91

% 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	1350.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	60.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	7.00	B		P
7440-50-8	Copper	17.40	B		P
7439-89-6	Iron	1410.00			P
7439-92-1	Lead	2.00	B		F
7439-95-4	Magnesium	1100.00			P
7439-96-5	Manganese	928.00			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.00	B		P
7440-09-7	Potassium	2000.00	B		P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	1.00	U		P
7440-23-5	Sodium	2000.00			P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	7.00	B		P
7440-66-6	Zinc	21.00			P
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG40

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 18742 SAS No.: SDG No.: MCFG23

Matrix (soil/water): WATER Lab Sample ID: MCFG40

Level (low/med): LOW Date Received: 01/23/91

% 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	2700.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.20	B	W	P
7440-39-3	Barium	75.70	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	10.00			P
7440-48-4	Cobalt	7.60	B		P
7440-50-8	Copper	28.80			P
7439-89-6	Iron	2750.00			P
7439-92-1	Lead	17.40			P
7439-95-4	Magnesium	1700.00			P
7439-96-5	Manganese	370.00			P
7439-97-6	Mercury	1.20	U		CV
7439-98-7	Molybdenum	27.00	B		P
7440-02-0	Nickel	2130.00	B		P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	17500.00			P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	21.00	B		P
7440-66-6	Zinc	124.00			P
	Cyanide	10.00			AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

ORIGINAL (Red)

00012

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG41

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG28

Matrix (soil/water): WATER Lab Sample ID: MCFG41

Level (low/med): LOW Date Received: 01/23/91

% 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	4880.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	[illegible]			P
[illegible]	Beryllium	[illegible]	U		P
[illegible]	Cadmium	[illegible]	U		P
[illegible]	Calcium	[illegible]			P
[illegible]	Chromium	[illegible]			P
[illegible]	Cobalt	[illegible]	U		P
7440-50-8	Copper	[illegible]			P
7439-89-6	Iron	[illegible]			P
7439-92-1	Lead	[illegible]			P
7439-95-4	Magnesium	[illegible]			P
7439-96-5	Manganese	[illegible]			P
[illegible]	Mercury	[illegible]	U		CV
7440-02-0	Nickel	[illegible]	B		P
[illegible]	Potassium	[illegible]			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	178000.00			P
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	209.00			P
7440-66-6	Zinc	[illegible]			P
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00013

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG42

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYP4 Case No.: 16742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG42

Level (low/med): LOW Date Received: 01/23/91

% 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	2660.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	3.20	B		P
7440-39-3	Barium	46.30	B		P
[illegible]	Beryllium	1.00	U		P
[illegible]	Boron	1.00	U		P
[illegible]	Calcium	[illegible]			P
[illegible]	Chromium	1.00	U		P
[illegible]	Cobalt	11.60	B		P
7440-50-8	Copper	132.00			P
7439-89-6	Iron	16100.00			P
7439-92-1	Lead	16.30			P
7439-95-4	Magnesium	16500.00			P
7439-96-5	Manganese	1410.00			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.00	B		P
7440-09-7	Potassium	8540.00			P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	220000.00			P
7440-28-0	Thallium	1.00	U		P
7440-62-2	Vanadium	2.10	B		P
7440-66-6	Zinc	222.00			P
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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U.S. EPA - CLP

ORIGINAL (Red)

00014

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG43

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG43

Level (low/med): LOW Date Received: 01/23/91

% 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	1050.00			P
7440-36-0	Antimony	13.00	U		P
7440-38-2	Arsenic	2.70	B		F
7440-39-3	Barium	44.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	22700.00			P
7440-47-3	Chromium	13.00			P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	13.50	B		P
7439-89-6	Iron	1700.00			P
7439-92-1	Lead	11.60			F
7439-95-4	Magnesium	7540.00			P
7439-96-5	Manganese	171.00			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	9.00	B		P
7440-09-7	Potassium	3640.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	33000.00			P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	3.60	B		P
7440-66-6	Zinc	70.70			F
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

00015

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG49

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 19742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG49

Level (low/med): LOW Date Received: 01/25/91

% 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	47600.00			P
7440-36-0	Antimony	27.40	B		P
7440-38-2	Arsenic	9.20	B		P
7440-39-3	Barium	377.00			P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	5400.00			P
7440-47-3	Chromium	75.40			P
7440-48-4	Cobalt	31.70	B		P
7440-50-8	Copper	16.70			P
7439-89-6	Iron	11000.00			P
7439-92-1	Lead	47.60			P
7439-95-4	Magnesium	22900.00			P
7439-96-5	Manganese	1430.00			P
7439-97-6	Mercury	1.40			CV
7440-02-0	Nickel	71.30			P
7440-09-7	Potassium	12500.00			P
7782-49-2	Selenium	2.00	U	W	P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	198000.00			P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	114.00			P
7440-66-6	Zinc	220.00			P
	Cyanide	10.00	U		AS

Color Before: ORANGE Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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U.S. EPA - CLP

00017

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG50

c Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG50

Level (low/med): LOW Date Received: 01/25/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29.30	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		P
7440-39-3	Barium	69.30	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	75000.00			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.80	B		P
7440-50-8	Copper	7.20	B		P
7439-89-6	Iron	4280.00		E	P
7439-92-1	Lead	1.60	B	E	P
7439-95-4	Magnesium	20400.00			P
7439-96-5	Manganese	594.00			P
7439-97-6	Mercury	0.20	U	NS	CV
7439-02-0	Nickel	8.00	U		P
7440-09-7	Potassium	6070.00			P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	188000.00			P
7440-28-0	Thallium	4.00	U		P
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	97.70			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

ORIGINAL (Red) **00016**

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG51

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG51

Level (low/med): LOW Date Received: 01/25/91

% 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	39900.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	12.50			P
7440-39-3	Barium	225.00			P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	3.00	U		P
7440-70-2	Calcium	43100.00			P
7440-47-3	Chromium	57.10			P
7440-48-4	Cobalt	27.60	B		P
7440-50-8	Copper	57.10			P
7439-89-6	Iron	36400.00			P
7439-92-1	Lead	62.60			P
7439-95-4	Magnesium	39400.00			P
7439-96-5	Manganese	1400.00			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	77.00			P
7440-09-7	Potassium	3400.00	B		P
7782-49-2	Selenium	2.00	U	W	P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	154000.00			P
7440-28-0	Thallium	1.00	U		P
7440-62-2	Vanadium	117.00			P
7440-66-6	Zinc	219.00			P
	Cyanide	10.00	U		AS

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
2X DILUTION FOR PB

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG52

o Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0149

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG52

Level (low/med): LOW Date Received: 01/25/91

% 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	109.00	B		P
7440-36-0	Antimony	13.00	U		P
7440-38-2	Arsenic	12.00			F
7440-39-3	Barium	43.90	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	42300.00			P
7440-47-3	Chromium	4.30	B		P
7440-48-4	Cobalt	4.40	B		P
7440-50-8	Copper	8.20	B		P
7439-89-6	Iron	417.00		E	P
7439-92-1	Lead	3.60		*	F
7439-95-4	Magnesium	31600.00			P
7439-96-5	Manganese	873.00			P
7439-97-6	Mercury	0.21		NR	CV
7440-02-0	Nickel	13.60	B		P
7440-09-7	Potassium	319.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	3.90	B		P
7440-23-5	Sodium	183000.00			P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	5.20	B		P
7440-66-6	Zinc	102.00			P
	Cyanide				NR

olor Before: YELLOW Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

U.S. EPA - CLP

ORIGINAL (Red)

00017

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG53

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0145

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG25

Matrix (soil/water): WATER Lab Sample ID: MCFG53

Level (low/med): LOW Date Received: 01/25/91

% 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	123000.00			P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	40.40			P
7440-39-3	Barium	256.00			P
7440-41-7	Beryllium	1.40	B		P
7440-43-9	Cadmium	17.70			P
7440-70-2	Calcium	[illegible]			P
7440-47-3	Chromium	233.00			P
7440-48-4	Cobalt	33.30			P
7440-50-8	Copper	1120.00			P
7439-89-6	Iron	175100.00			P
7439-92-1	Lead	150.00			P
7439-95-4	Magnesium	57900.00			P
7439-96-5	Manganese	1170.00			P
7439-97-6	Mercury	1.40			P
7440-02-0	Nickel	256.00			P
7440-09-7	Potassium	13000.00			P
7782-49-2	Selenium	9.80		+	CV
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	619000.00			P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	317.00			P
7440-66-6	Zinc	7500.00			P
	Cyanide	10.00	U		AS

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
5X DILUTION FOR PB

FORM I - IN

3/90

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG54

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 13742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG53

Level (low/med): LOW Date Received: 01/25/91

% 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	50.10	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	58.40		S	P
7440-39-3	Barium	9.50	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	38000.00			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	10.40	B		P
7440-50-8	Copper	10.70	B		P
7439-89-6	Iron	1220.00		E	P
7439-92-1	Lead	2.40	B	WX	P
7439-95-4	Magnesium	32900.00			P
7439-96-5	Manganese	517.00			P
7439-97-6	Mercury	0.21		NX	CV
7439-92-0	Nickel	33.80	B		P
7440-09-7	Potassium	2240.00	B		P
7782-49-2	Selenium	2.00	U	W	P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	634000.00			P
7440-28-0	Thallium	4.00	U		P
7440-62-2	Vanadium	5.50	B		P
7440-66-6	Zinc	88.30			P
	Cyanide				NR

Color Before: YELLOW Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
2X DILUTION FOR AS

U.S. EPA - CLP

(Red)

00018

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG55

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYSA Case No.: 15741 SAS No.: SDG No.: MCFG28

Matrix (soil/water): WATER Lab Sample ID: MCFG55

Level (low/med): LOW Date Received: 01/25/91

% 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	24600.00			P
7440-36-0	Antimony	42.10			P
7440-38-2	Arsenic	7.40	B		P
7440-39-3	Barium	176.00	B		P
7440-41-7	Beryllium	2.00	U		P
7440-70-2	Calcium	2.00			P
7440-47-3	Chromium	13900.00			P
7440-48-4	Cobalt	41.70			P
7440-50-8	Copper	18.70	B		P
7439-89-6	Iron	1100.00			P
7439-92-1	Lead	22000.00			P
7439-95-4	Magnesium	2000.00			P
7439-96-5	Manganese	14.30			P
7439-97-6	Mercury	1.00			CV
7440-02-0	Nickel	457.00			P
7440-09-7	Potassium	2450.00			P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	10400.00			P
7440-28-0	Thallium	2.00	U	W	P
7440-62-2	Vanadium	44.20			P
7440-66-6	Zinc	1770.00			P
	Cyanide	10.00	U		AS

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

25X DILUTION FOR PB

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

00020

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG56

b Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG56

Level (low/med): LOW Date Received: 01/25/91

% 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	47.60	B		P
7440-36-0	Antimony	32.30	B		P
7440-38-2	Arsenic	2.90	B	W	F
7440-39-3	Barium	48.70	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.20	B		P
7440-70-2	Calcium	133000.00			P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.40	B		P
7440-50-8	Copper	27.10			P
7439-89-6	Iron	105.00		E	P
7439-92-1	Lead	3.80		*	F
7439-95-4	Magnesium	45100.00			P
7439-96-5	Manganese	121.00			P
7439-97-6	Mercury	0.21		NR	CV
7439-98-7	Molybdenum	123.00			P
7440-09-7	Potassium	4790.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.20	B		P
7440-23-5	Sodium	105000.00			P
7440-28-0	Thallium	4.00	U	W	F
7440-62-2	Vanadium	4.40	B		P
7440-66-6	Zinc	446.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

00019

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCF337

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15740 SAS No.: SDG No.: MCF315

Matrix (soil/water): WATER Lab Sample ID: MCF337

Level (low/med): LOW Date Received: 01/25/91

% 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	77.60	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		P
7440-39-3	Barium	1.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	[illegible]	B		P
7440-47-3	Chromium	1.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	2.50	B		P
7439-89-6	Iron	44.00	B		P
7439-92-1	Lead	1.00	U		P
7439-95-4	Magnesium	106.00	B		P
7439-96-5	Manganese	2.20	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.00	U		P
7440-09-7	Potassium	145.00	B		P
7782-49-2	Selenium	2.00	U		P
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	306.00	B		P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	9.00	B		P
	Cyanide	10.00	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

(hsd)

1

INORGANIC ANALYSIS DATA SHEET 00021

EPA SAMPLE NO.
MCFG58

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0143

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): WATER Lab Sample ID: MCFG58

Level (low/med): LOW Date Received: 01/25/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.00	B		P
7440-36-0	Antimony	15.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	1.80	B		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	269.00	B		P
7440-47-3	Chromium	2.00	U		P
7440-48-4	Cobalt	2.00	U		P
7440-50-8	Copper	12.30	B		P
7439-89-6	Iron	28.20	B	E	P
7439-92-1	Lead	5.60		*	F
7439-95-4	Magnesium	99.20	B		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	0.20	U	NA	CV
7440-02-0	Nickel	8.00	U		P
7440-09-7	Potassium	266.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	2.00	U		P
7440-23-5	Sodium	624.00	B		P
7440-28-0	Thallium	4.00	U		F
7440-62-2	Vanadium	2.00	U		P
7440-66-6	Zinc	10.90	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

3/90

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG01

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG01

Level (low/med): LOW Date Received: 01/23/91

% Solids: 90.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7430.00			P
7440-36-0	Antimony	3.30	U	N	P
7440-38-2	Arsenic	9.50		N	F
7440-39-3	Barium	162.00			P
7440-41-7	Beryllium	0.44	U		P
7440-43-9	Cadmium	0.54	B		P
7440-70-2	Calcium	25600.00			P
7440-47-3	Chromium	12.20			P
7440-48-4	Cobalt	10.70	B		P
7440-50-8	Copper	47.90			P
7439-89-6	Iron	29200.00			P
7439-92-1	Lead	350.00		N*	P
7439-95-4	Magnesium	15800.00			P
7439-96-5	Manganese	254.00			P
7439-97-6	Mercury	3.20			CV
7440-02-0	Nickel	29.60			P
7440-09-7	Potassium	2780.00			P
7782-49-2	Selenium	0.44	U		F
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	130.00	B		P
7440-28-0	Thallium	0.99	U	W	F
7440-62-2	Vanadium	37.60			P
7440-66-6	Zinc	189.00			P
	Cyanide	0.55	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00005

1

EPA SAMPLE NO.

MCFG02

INORGANIC ANALYSIS DATA SHEET

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG02

Level (low/med): LOW Date Received: 01/24/91

% 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	1680.00			P
7440-36-0	Antimony	3.40	U	N	P
7440-38-2	Arsenic	1.60	B	N	F
7440-39-3	Barium	29.10	B		P
7440-41-7	Beryllium	0.45	U		P
7440-43-9	Cadmium	0.45	U		P
7440-70-2	Calcium	1110.00	B		P
7440-47-3	Chromium	7.50			P
7440-48-4	Cobalt	0.72	B		P
7440-50-8	Copper	17.90			P
7439-89-6	Iron	4920.00			P
7439-92-1	Lead	33.50		N*	P
7439-95-4	Magnesium	624.00	B		P
7439-96-5	Manganese	37.30			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	4.90	B		P
7440-09-7	Potassium	199.00	B		P
7782-49-2	Selenium	0.45	U		F
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	23.00	B		P
7440-28-0	Thallium	0.91	U	W	F
7440-62-2	Vanadium	6.80	B		P
7440-66-6	Zinc	53.90			P
	Cyanide	0.57	U		AS

Color Before: TAN Clarity Before: Texture: MEDIUM

Color After: TAN Clarity After: Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG03

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYFA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG03

Level (low/med): LOW Date Received: 01/23/91

% Solids: 73.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3500.00			P
7440-36-0	Antimony	29.00		N	P
7440-38-2	Arsenic	40.50		N	F
7440-39-3	Barium	1970.00			P
7440-41-7	Beryllium	0.55	U		P
7440-43-9	Cadmium	10.30			P
7440-70-2	Calcium	12100.00			P
7440-47-3	Chromium	2850.00			P
7440-48-4	Cobalt	20.30			P
7440-50-8	Copper	2720.00			P
7439-89-6	Iron	183000.00			P
7439-92-1	Lead	2090.00		N*	P
7439-95-4	Magnesium	2160.00			P
7439-96-5	Manganese	854.00			P
7439-97-6	Mercury	2.50			CV
7440-02-0	Nickel	162.00			P
7440-09-7	Potassium	372.00	B		P
7782-49-2	Selenium	0.55	U	W	F
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	391.00	B		P
7440-28-0	Thallium	1.10	U		F
7440-62-2	Vanadium	49.90			P
7440-66-6	Zinc	7490.00			P
	Cyanide	58.10			AS

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
SAMPLE CONTAINED BARK AND HUMUS
4X DILUTION FOR AS

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG04

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 63-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG04

Level (low/med): LOW Date Received: 01/24/91

% Solids: 68.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500.00			P
7440-36-0	Antimony	4.40	U	N	P
7440-38-2	Arsenic	9.90		N	P
7440-39-3	Barium	174.00			P
7440-41-7	Beryllium	0.59	U		P
7440-43-9	Cadmium	0.98	B		P
7440-70-2	Calcium	12400.00			P
7440-47-3	Chromium	42.80			P
7440-48-4	Cobalt	9.60	B		P
7440-50-8	Copper	64.90			P
7439-89-6	Iron	20000.00			P
7439-92-1	Lead	436.00		N*	P
7439-95-4	Magnesium	6130.00			P
7439-96-5	Manganese	260.00			P
7439-97-6	Mercury	1.40			CV
7439-92-0	Nickel	79.60			P
7440-09-7	Potassium	1890.00			P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	0.59	U		P
7440-23-5	Sodium	181.00	B		P
7440-28-0	Thallium	1.20	U	W	P
7440-62-2	Vanadium	301.00			P
7440-66-6	Zinc	299.00			P
	Cyanide	0.73	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
SAMPLE CONTAINED GRASS AND TWIGS

ORIGINAL (Red) 00008

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG05

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG05

Level (low/med): LOW Date Received: 01/24/91

% Solids: 82.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3570.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	58.40		N	F
7440-39-3	Barium	150.00			P
7440-41-7	Beryllium	7.40			P
7440-43-9	Cadmium	1.40			P
7440-70-2	Calcium	2260.00			P
7440-47-3	Chromium	46.60			P
7440-48-4	Cobalt	19.10			P
7440-50-8	Copper	520.00			P
7439-89-6	Iron	56600.00			P
7439-92-1	Lead	553.00		N*	P
7439-95-4	Magnesium	889.00	B		P
7439-96-5	Manganese	265.00			P
7439-97-6	Mercury	0.35			CV
7439-02-0	Nickel	26.10			P
7440-09-7	Potassium	592.00	B		P
7782-49-2	Selenium	1.50			F
7440-22-4	Silver	0.99	B		P
7440-23-5	Sodium	296.00	B		P
7440-28-0	Thallium	1.30	B	W	F
7440-62-2	Vanadium	27.00			P
7440-66-6	Zinc	1770.00			P
	Cyanide	0.61	U		AS

Color Before: BLACK Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts:

Comments:

10X DILUTION FOR AS

ORIGINAL (Red)

00009

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG06

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG06

Level (low/med): LOW Date Received: 01/24/91

% Solids: 74.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500.00			P
7440-36-0	Antimony	4.00	U	N	P
7440-38-2	Arsenic	7.50		N	F
7440-39-3	Barium	91.80			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	2450.00			P
7440-47-3	Chromium	27.30			P
7440-48-4	Cobalt	9.00	B		P
7440-50-8	Copper	22.50			P
7439-89-6	Iron	20800.00			P
7439-92-1	Lead	49.50		NX	P
7439-95-4	Magnesium	2620.00			P
7439-96-5	Manganese	203.00			P
7439-97-6	Mercury	0.13	U		CV
7439-02-0	Nickel	21.00			P
7440-09-7	Potassium	930.00	B		P
7782-49-2	Selenium	0.54	U		F
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	102.00	B		P
7440-28-0	Thallium	1.10	U	W	F
7440-62-2	Vanadium	52.20			P
7440-66-6	Zinc	100.00			P
	Cyanide	0.67	U		AS

Color Before: TAN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00010

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG07

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYFA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG07

Level (low/med): LOW Date Received: 01/24/91

% Solids: 92.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5190.00			P
7440-36-0	Antimony	3.20	U	N	P
7440-38-2	Arsenic	6.90		N	F
7440-39-3	Barium	25.10	B		P
7440-41-7	Beryllium	0.43	U		P
7440-43-9	Cadmium	0.43	U		P
7440-70-2	Calcium	190.00	B		P
7440-47-3	Chromium	14.90			P
7440-48-4	Cobalt	4.50	B		P
7440-50-8	Copper	25.60			P
7439-89-6	Iron	26000.00			P
7439-92-1	Lead	378.00		*	F
7439-95-4	Magnesium	2390.00			P
7439-96-5	Manganese	167.00			P
7439-97-6	Mercury	1.70			CV
7439-02-0	Nickel	14.00			P
7440-09-7	Potassium	451.00	B		P
7782-49-2	Selenium	0.43	U		F
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	28.00	B		P
7440-28-0	Thallium	0.86	U	W	F
7440-62-2	Vanadium	11.60			P
7440-66-6	Zinc	46.50			P
	Cyanide	0.54	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
SAMPLE CONTAINED SAND
40X DILUTION FOR PB

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG08

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG08

Level (low/med): LOW Date Received: 01/24/91

% Solids: 82.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10300.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	13.70		N	F
7440-39-3	Barium	156.00			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	1.60			P
7440-70-2	Calcium	2760.00			P
7440-47-3	Chromium	26.00			P
7440-48-4	Cobalt	9.40	B		P
7440-50-8	Copper	175.00			P
7439-89-6	Iron	21500.00			P
7439-92-1	Lead	368.00		N*	P
7439-95-4	Magnesium	2600.00			P
7439-96-5	Manganese	146.00			P
7439-97-6	Mercury	2.60			CV
7439-92-0	Nickel	35.40			P
7440-09-7	Potassium	830.00	B		P
7782-49-2	Selenium	1.60			F
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	225.00	B		P
7440-28-0	Thallium	0.97	U	W	F
7440-62-2	Vanadium	29.70			P
7440-66-6	Zinc	472.00			P
	Cyanide	0.60	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:
SAMPLE CONTAINED CLAY
2X DILUTION FOR AS

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

00012

MCFG09

.b Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG09

Level (low/med): LOW Date Received: 01/24/91

% Solids: 77.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7680.00			P
7440-36-0	Antimony	3.90	U	N	P
7440-38-2	Arsenic	45.30		N	F
7440-39-3	Barium	107.00			P
7440-41-7	Beryllium	0.52	U		P
7440-43-9	Cadmium	0.91	B		P
7440-70-2	Calcium	2690.00			P
7440-47-3	Chromium	31.10			P
7440-48-4	Cobalt	4.80	B		P
7440-50-8	Copper	60.60			P
7439-89-6	Iron	28700.00			P
7439-92-1	Lead	126.00		N*	P
7439-95-4	Magnesium	2390.00			P
7439-96-5	Manganese	125.00			P
7439-97-6	Mercury	0.37			CV
7440-02-0	Nickel	21.50			P
7440-09-7	Potassium	1190.00	B		P
7782-49-2	Selenium	1.00	U		F
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	124.00	B		P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	47.00			P
7440-66-6	Zinc	175.00			P
	Cyanide	0.65	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

olor After: BROWN Clarity After: Artifacts: YES

omments:
SAMPLE CONTAINED STRAW
4X DILUTION FOR AS
2X DILUTION FOR SE

ORIGINAL (Red)

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG10

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYP4 Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG10

Level (low/med): LOW Date Received: 01/24/91

% Solids: 84.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5110.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	53.30		N	F
7440-39-3	Barium	100.00			P
7440-41-7	Beryllium	0.47	U		P
7440-43-9	Cadmium	0.48	B		P
7440-70-2	Calcium	2270.00			P
7440-47-3	Chromium	27.30			P
7440-48-4	Cobalt	6.80	B		P
7440-50-8	Copper	51.70			P
7439-89-6	Iron	29300.00			P
7439-92-1	Lead	307.00		N*	P
7439-95-4	Magnesium	1630.00			P
7439-96-5	Manganese	164.00			P
7439-97-6	Mercury	0.46			CV
7440-02-0	Nickel	19.90			P
7440-09-7	Potassium	1130.00	B		P
7782-49-2	Selenium	1.30		W	F
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	167.00	B		P
7440-28-0	Thallium	0.95	U	W	F
7440-62-2	Vanadium	33.60			P
7440-66-6	Zinc	221.00			P
	Cyanide	0.59	U		AS

Color Before: BLACK Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts:

Comments:

5X DILUTION FOR AS

00014

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG11

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG11

Level (low/med): LOW Date Received: 01/25/91

% Solids: 78.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200.00			P
7440-36-0	Antimony	3.80	U	N	P
7440-38-2	Arsenic	6.80		N	F
7440-39-3	Barium	101.00			P
7440-41-7	Beryllium	0.59	B		P
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	3410.00			P
7440-47-3	Chromium	29.10			P
7440-48-4	Cobalt	6.00	B		P
7440-50-8	Copper	87.00			P
7439-89-6	Iron	19100.00			P
7439-92-1	Lead	131.00		N*	P F
7439-95-4	Magnesium	3030.00			P
7439-96-5	Manganese	298.00			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	35.20			P
7440-09-7	Potassium	1060.00	B		P
7782-49-2	Selenium	0.31	U		F
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	1640.00			P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	38.80			P
7440-66-6	Zinc	203.00			P
	Cyanide	0.63	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: TAN Clarity After: Artifacts: YES

Comments:

SAMPLE CONTAINED ROOTS

U.S. EPA - CLP

00015 ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG12

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG12

Level (low/med): LOW Date Received: 01/25/91

% Solids: 83.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	9.70		N	F
7440-39-3	Barium	87.40			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	3920.00			P
7440-47-3	Chromium	29.50			P
7440-48-4	Cobalt	7.70	B		P
7440-50-8	Copper	54.70			P
7439-89-6	Iron	20300.00			P
7439-92-1	Lead	125.00		N*	P
7439-95-4	Magnesium	2750.00			P
7439-96-5	Manganese	220.00			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	29.70			P
7440-09-7	Potassium	1250.00			P
7782-49-2	Selenium	0.48	U		F
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	7370.00			P
7440-28-0	Thallium	0.96	U	W	F
7440-62-2	Vanadium	34.80			P
7440-66-6	Zinc	211.00			P
	Cyanide	0.60	U		AS

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

00016

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG13

.t Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG13

Level (low/med): LOW Date Received: 01/25/91

% Solids: 82.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000.00			P
7440-36-0	Antimony	3.70	U	N	P
7440-38-2	Arsenic	8.50		N	P
7440-39-3	Barium	89.40			P
7440-41-7	Beryllium	0.59	B		P
7440-43-9	Cadmium	0.69	B		P
7440-70-2	Calcium	4690.00			P
7440-47-3	Chromium	33.70			P
7440-48-4	Cobalt	7.30	B		P
7440-50-8	Copper	60.30			P
7439-89-6	Iron	18500.00			P
7439-92-1	Lead	214.00		N*	P
7439-95-4	Magnesium	4810.00			P
7439-96-5	Manganese	211.00			P
7439-97-6	Mercury	0.83			CV
7440-02-0	Nickel	29.70			P
7440-09-7	Potassium	947.00	B		P
7782-49-2	Selenium	0.49	U		P
7440-22-4	Silver	0.49	U		P
7440-23-5	Sodium	6060.00			P
7440-28-0	Thallium	0.98	U	W	P
7440-62-2	Vanadium	33.30			P
7440-66-6	Zinc	780.00			P
	Cyanide	0.61	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

omments:

FORM I - IN

3/90

U.S. EPA - CLP

00017

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG14

.b Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 13742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG14

Level (low/med): LOW Date Received: 01/25/91

% Solids: 78.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700.00			P
7440-36-0	Antimony	3.80	U	N	P
7440-38-2	Arsenic	11.80		+N	F
7440-39-3	Barium	110.00			P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	0.64	B		P
7440-70-2	Calcium	3720.00			P
7440-47-3	Chromium	28.40			P
7440-48-4	Cobalt	7.10	B		P
7440-50-8	Copper	53.20			P
7439-89-6	Iron	18800.00			P
7439-92-1	Lead	123.00		NX	P
7439-95-4	Magnesium	4330.00			P
7439-96-5	Manganese	362.00			P
7439-97-6	Mercury	0.49			CV
7439-02-0	Nickel	20.80			P
7440-09-7	Potassium	1260.00	B		P
7782-49-2	Selenium	0.51	U		F
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	4590.00			P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	34.10			P
7440-66-6	Zinc	270.00			P
	Cyanide	0.64	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

omments:
2X DILUTION BY MSA FOR AS

FORM I - IN

3/90

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG15

.b Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG15

Level (low/med): LOW Date Received: 01/25/91

% Solids: 80.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900.00			P
7440-36-0	Antimony	3.70	U	N	P
7440-38-2	Arsenic	7.70		N	F
7440-39-3	Barium	99.60			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	0.83	B		P
7440-70-2	Calcium	2590.00			P
7440-47-3	Chromium	27.60			P
7440-48-4	Cobalt	7.70	B		P
7440-50-8	Copper	54.50			P
7439-89-6	Iron	17300.00			P
7439-92-1	Lead	107.00		NS	P
7439-95-4	Magnesium	3920.00			P
7439-96-5	Manganese	345.00			P
7439-97-6	Mercury	0.94			CV
7439-92-0	Nickel	20.30			P
7440-09-7	Potassium	1260.00			P
7782-49-2	Selenium	0.50	U		F
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	4230.00			P
7440-28-0	Thallium	0.99	U	W	F
7440-62-2	Vanadium	32.60			P
7440-66-6	Zinc	291.00			P
	Cyanide	0.62	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

ORIGINAL (Red)

00004

1.

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG17

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): SOIL Lab Sample ID: MCFG17

Level (low/med): LOW Date Received: 01/25/91

% Solids: 83.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14000.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	6.80			F
7440-39-3	Barium	54.20			P
7440-41-7	Beryllium	0.48	U		P
7440-43-9	Cadmium	0.82	B		P
7440-70-2	Calcium	792.00	B	E	P
7440-47-3	Chromium	23.20			P
7440-48-4	Cobalt	7.10	B		P
7440-50-8	Copper	38.90		N*E	P
7439-89-6	Iron	21800.00			P
7439-92-1	Lead	19.60		*	F
7439-95-4	Magnesium	2150.00			P
7439-96-5	Manganese	210.00		N*	P
7439-97-6	Mercury	0.32		N	CV
7440-02-0	Nickel	17.20			P
7440-09-7	Potassium	797.00	B		P
7782-49-2	Selenium	0.48	B		F
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	92.20	B		P
7440-28-0	Thallium	0.96	U	W	F
7440-62-2	Vanadium	33.60			P
7440-66-6	Zinc	88.00			P
	Cyanide	0.60	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

2X DILUTION FOR PB

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red) 00019

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG18

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG18

Level (low/med): LOW Date Received: 01/25/91

% Solids: 76.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000.00			P
7440-36-0	Antimony	3.90	U	N	P
7440-38-2	Arsenic	9.20		N	F
7440-39-3	Barium	103.00			P
7440-41-7	Beryllium	0.65	B		P
7440-43-9	Cadmium	0.52	U		P
7440-70-2	Calcium	9880.00			P
7440-47-3	Chromium	31.00			P
7440-48-4	Cobalt	7.20	B		P
7440-50-8	Copper	45.00			P
7439-89-6	Iron	19900.00			P
7439-92-1	Lead	92.90		NX	P
7439-95-4	Magnesium	3840.00			P
7439-96-5	Manganese	438.00			P
7439-97-6	Mercury	0.38			CV
7439-02-0	Nickel	21.90			P
7440-09-7	Potassium	1190.00	B		P
7782-49-2	Selenium	0.68	B	W	F
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	321.00	B		P
7440-28-0	Thallium	1.00	U	W	F
7440-62-2	Vanadium	31.90			P
7440-66-6	Zinc	270.00			P
	Cyanide	0.65	U		AS

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN

3/90

ORIGINAL (Red) (Red) 00020

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG19

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG19

Level (low/med): LOW Date Received: 01/25/91

% Solids: 85.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600.00			P
7440-36-0	Antimony	3.50	U	N	P
7440-38-2	Arsenic	6.20		N	F
7440-39-3	Barium	67.50			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	4790.00			P
7440-47-3	Chromium	27.70			P
7440-48-4	Cobalt	6.50	B		P
7440-50-8	Copper	25.00			P
7439-89-6	Iron	21000.00			P
7439-92-1	Lead	58.30		N*	P
7439-95-4	Magnesium	2920.00			P
7439-96-5	Manganese	221.00			P
7439-97-6	Mercury	0.12	U		CV
7439-02-0	Nickel	16.00			P
7440-09-7	Potassium	1040.00	B		P
7782-49-2	Selenium	0.47	U		F
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	1540.00			P
7440-28-0	Thallium	0.93	U	W	F
7440-62-2	Vanadium	36.50			P
7440-66-6	Zinc	89.80			P
	Cyanide	0.58	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

00021

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG20

.c Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG20

Level (low/med): LOW Date Received: 01/24/91

% 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	9990.00			P
7440-36-0	Antimony	4.30	U	N	P
7440-38-2	Arsenic	10.80		SN	F
7440-39-3	Barium	162.00			P
7440-41-7	Beryllium	0.57	U		P
7440-43-9	Cadmium	1.10	B		P
7440-70-2	Calcium	12500.00			P
7440-47-3	Chromium	40.80			P
7440-48-4	Cobalt	10.10	B		P
7440-50-8	Copper	54.80			P
7439-89-6	Iron	20500.00			P
7439-92-1	Lead	458.00		N*	F
7439-95-4	Magnesium	6040.00			P
7439-96-5	Manganese	259.00			P
7439-97-6	Mercury	2.60			CV
7439-92-0	Nickel	32.20			P
7440-09-7	Potassium	1670.00			P
7782-49-2	Selenium	0.57	U		F
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	184.00	B		P
7440-28-0	Thallium	1.10	U	W	F
7440-62-2	Vanadium	318.00			P
7440-66-6	Zinc	298.00			P
	Cyanide	0.71	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN

3/90

U.S. EPA - CLP

00022 ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG24

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG01

Matrix (soil/water): SOIL Lab Sample ID: MCFG24

Level (low/med): LOW Date Received: 01/24/91

% Solids: 67.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8730.00			P
7440-36-0	Antimony	4.50	U	N	P
7440-38-2	Arsenic	31.50		N	F
7440-39-3	Barium	123.00			P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.98	B		P
7440-70-2	Calcium	999.00	B		P
7440-47-3	Chromium	26.20			P
7440-48-4	Cobalt	6.30	B		P
7440-50-8	Copper	55.00			P
7439-89-6	Iron	14500.00			P
7439-92-1	Lead	310.00		N*	P
7439-95-4	Magnesium	2010.00			P
7439-96-5	Manganese	120.00			P
7439-97-6	Mercury	0.29			CV
7439-02-0	Nickel	35.90			P
7440-09-7	Potassium	959.00	B		P
7782-49-2	Selenium	1.00	B	W	F
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	152.00	B		P
7440-28-0	Thallium	1.20	U	W	F
7440-62-2	Vanadium	171.00			P
7440-66-6	Zinc	143.00			P
	Cyanide	0.75	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: GREY Clarity After: Artifacts:

Comments:
2X DILUTION FOR AS

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET 00012

EPA SAMPLE NO.

MCFG44

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): SOIL Lab Sample ID: MCFG44

Level (low/med): LOW Date Received: 01/23/91

% Solids: 79.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7350.00			P
7440-36-0	Antimony	3.60	U	N	P
7440-38-2	Arsenic	2.60			P
7440-39-3	Barium	114.00			P
7440-41-7	Beryllium	0.67	B		P
7440-43-9	Cadmium	0.51	U		P
7440-70-2	Calcium	1400.00		E	P
7440-47-3	Chromium	21.60			P
7440-48-4	Cobalt	10.70	B		P
7440-50-8	Copper	15.40		N*E	P
7439-89-6	Iron	16000.00			P
7439-92-1	Lead	17.30		S	P
7439-95-4	Magnesium	3830.00			P
7439-96-5	Manganese	361.00		N*	P
7439-97-6	Mercury	0.13		N	CV
7440-02-0	Nickel	13.20			P
7440-09-7	Potassium	2820.00			P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	108.00	B		P
7440-28-0	Thallium	1.00	U	W	P
7440-62-2	Vanadium	25.00			P
7440-66-6	Zinc	79.30			P
	Cyanide	0.63	U		AS

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: WHITE Clarity After: Artifacts:

Comments:
2X DILUTION FOR PB

U.S. EPA - CLP

00013

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG45

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG26

Matrix (soil/water): SOIL Lab Sample ID: MCFG45

Level (low/med): LOW Date Received: 01/23/91

% Solids: 62.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19400.00			P
7440-36-0	Antimony	4.80	U	N	P
7440-38-2	Arsenic	16.70			P
7440-39-3	Barium	269.00			P
7440-41-7	Beryllium	0.65	U		P
7440-43-9	Cadmium	7.40			P
7440-70-2	Calcium	1620.00		E	P
7440-47-3	Chromium	42.20			P
7440-48-4	Cobalt	40.20			P
7440-50-8	Copper	140.00		N*E	P
7439-89-6	Iron	36500.00			P
7439-92-1	Lead	487.00		X	P
7439-95-4	Magnesium	4670.00			P
7439-96-5	Manganese	730.00		N*	P
7439-97-6	Mercury	1.30		N	CV
7440-02-0	Nickel	1300.00			P
7440-09-7	Potassium	1760.00			P
7782-49-2	Selenium	1.70			P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	266.00	B		P
7440-28-0	Thallium	1.30	U	W	P
7440-62-2	Vanadium	5870.00			P
7440-66-6	Zinc	345.00			P
	Cyanide	0.81	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

50X DILUTION FOR PB

FORM I - IN

3/90

U.S. EPA - CLP

• 00014

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG46

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCF326

Matrix (soil/water): SOIL Lab Sample ID: MCFG46

Level (low/med): LOW Date Received: 01/23/91

% Solids: 46.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16100.00			P
7440-36-0	Antimony	6.40	U	N	P
7440-38-2	Arsenic	9.60			F
7440-39-3	Barium	759.00			P
7440-41-7	Beryllium	1.10	B		P
7440-43-9	Cadmium	2.40			P
7440-70-2	Calcium	7350.00		E	P
7440-47-3	Chromium	30.50			P
7440-48-4	Cobalt	12.10	B		P
7440-50-8	Copper	332.00		NSE	P
7439-89-6	Iron	27000.00			P
7439-92-1	Lead	714.00		*	F
7439-95-4	Magnesium	3860.00			P
7439-96-5	Manganese	185.00		NE	P
7439-97-6	Mercury	1.20		N	CV
7440-02-0	Nickel	43.70			P
7440-09-7	Potassium	1320.00	B		P
7782-49-2	Selenium	5.00			F
7440-22-4	Silver	0.88	U		P
7440-23-5	Sodium	271.00	B		P
7440-28-0	Thallium	1.70	U	W	F
7440-62-2	Vanadium	232.00			P
7440-66-6	Zinc	406.00			P
	Cyanide	1.10	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

25X DILUTION FOR PB

FORM I - IN

3/90

U.S. EPA - CLP

00015

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MCFG47

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0146

Lab Code: KEYPA Case No.: 15742 SAS No.: SDG No.: MCFG02

Matrix (soil/water): SOIL Lab Sample ID: MCFG47

Level (low/med): LOW Date Received: 01/23/91

% Solids: 47.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200.00			P
7440-36-0	Antimony	10.10	B	N	P
7440-38-2	Arsenic	8.60			F
7440-39-3	Barium	165.00			P
7440-41-7	Beryllium	0.35	U		P
7440-43-9	Cadmium	1.70	B		P
7440-70-2	Calcium	4950.00		E	P
7440-47-3	Chromium	72.60			P
7440-48-4	Cobalt	17.20	B		P
7440-50-8	Copper	88.50		N*E	P
7439-89-6	Iron	27700.00			P
7439-92-1	Lead	147.00		*	P
7439-95-4	Magnesium	5420.00			P
7439-96-5	Manganese	541.00		N*	P
7439-97-6	Mercury	0.25		M	CV
7440-02-0	Nickel	60.20			P
7440-09-7	Potassium	2490.00			P
7782-49-2	Selenium	4.70			F
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	328.00	B		P
7440-28-0	Thallium	1.70	U	N	F
7440-62-2	Vanadium	61.20			P
7440-66-6	Zinc	331.00			P
	Cyanide	1.10	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

10X DILUTION FOR PB

FORM I - IN

3/90

U.S. EPA - CLP

ORIGINAL (Red)

1

INORGANIC ANALYSIS DATA SHEET

00016

EPA SAMPLE NO.
MCFG48

Lab Name: KEYSTONE ENVIRONMENTAL Contract: 68-D0-0148

Lab Code: KEYPA Case No.: 13742 SAS No.: SDG No.: MCFG16

Matrix (soil/water): SOIL Lab Sample ID: MCFG48

Level (low/med): LOW Date Received: 01/23/91

% Solids: 54.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16700.00			P
7440-36-0	Antimony	5.50	U	N	P
7440-38-2	Arsenic	9.30			F
7440-39-3	Barium	109.00			P
7440-41-7	Beryllium	0.77	U		P
7440-43-9	Cadmium	0.77	U		P
7440-70-2	Calcium	2430.00		E	P
7440-47-3	Chromium	31.90			P
7440-48-4	Cobalt	17.10	B		P
7440-50-8	Copper	15.70		NAE	P
7439-89-6	Iron	19900.00			P
7439-92-1	Lead	22.70		*	P
7439-95-4	Magnesium	5010.00			P
7439-96-5	Manganese	317.00		NE	P
7439-97-6	Mercury	0.28		N	CV
7440-02-0	Nickel	27.40			P
7440-09-7	Potassium	1570.00	B		P
7782-49-2	Selenium	1.70	U		F
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	226.00	B		P
7440-28-0	Thallium	1.50	U	W	F
7440-62-2	Vanadium	41.90			P
7440-66-6	Zinc	112.00			P
	Cyanide	0.51	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:
2X DILUTION FOR PB

FORM I - IN

3/90

ORIGINAL (Red)

WESTON

Appendix C

Results as Reported by the Laboratory
for all Target Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094805C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 10 Date Analyzed: 01/24/91

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	20	B
67-64-1	Acetone	11	U
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	1	J
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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH094805A08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/03/91

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	40	J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	660	
106-46-7	1,4-Dichlorobenzene	1100	
95-50-1	1,2-Dichlorobenzene	170	J
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	2200	
91-20-3	Naphthalene	110	J
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	65	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1900	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	1900	U
83-32-9	Acenaphthene	290	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH094805A08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/03/91

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	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	150	J
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	310	J
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	120	J
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	530	
86-74-8	Carbazole	320	J
84-74-2	Di-n-Butylphthalate	87	J
206-44-0	Fluoranthene	4800	E
129-00-0	Pyrene	3400	
85-68-7	Butylbenzylphthalate	480	
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	2300	
218-01-9	Chrysene	2400	
117-81-7	bis(2-Ethylhexyl)Phthalate	740	
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	4300	XE
207-08-9	Benzo(k)Fluoranthene	4300	XE
50-32-8	Benzo(a)Pyrene	1800	
193-39-5	Indeno(1,2,3-cd)Pyrene	810	
53-70-3	Dibenz(a,h)Anthracene	300	J
191-24-2	Benzo(g,h,i)Perylene	200	J

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094805C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/14/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

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	1100	U
111-44-4	bis(2-Chloroethyl)Ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	720	DJ
106-46-7	1,4-Dichlorobenzene	1200	D
95-50-1	1,2-Dichlorobenzene	180	DJ
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-Di-n-Propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)Methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
120-82-1	1,2,4-Trichlorobenzene	3000	D
91-20-3	Naphthalene	120	DJ
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-Methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	5600	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	5600	U
131-11-3	Dimethyl Phthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	5600	U
83-32-9	Acenaphthene	320	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094805C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/14/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

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	5600	U
100-02-7	4-Nitrophenol	5600	U
132-64-9	Dibenzofuran	160	DJ
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
86-73-7	Fluorene	300	DJ
100-01-6	4-Nitroaniline	5600	U
534-52-1	4,6-Dinitro-2-Methylphenol	5600	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	110	DJ
87-86-5	Pentachlorophenol	5600	U
85-01-8	Phenanthrene	3000	D
120-12-7	Anthracene	420	DJ
86-74-8	Carbazole	390	DJ
84-74-2	Di-n-Butylphthalate	1100	U
206-44-0	Fluoranthene	5500	D
129-00-0	Pyrene	2700	D
85-68-7	Butylbenzylphthalate	420	DJ
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)Anthracene	2500	D
218-01-9	Chrysene	1900	D
117-81-7	bis(2-Ethylhexyl)Phthalate	770	DJ
117-84-0	Di-n-Octyl Phthalate	120	DJ
205-99-2	Benzo(b)Fluoranthene	5600	DX
207-08-9	Benzo(k)Fluoranthene	5600	DX
50-32-8	Benzo(a)Pyrene	1200	D
193-39-5	Indeno(1,2,3-cd)Pyrene	740	DJ
53-70-3	Dibenz(a,h)Anthracene	260	DJ
191-24-2	Benzo(g,h,i)Perylene	200	DJ

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394818

Sample wt/vol: 30.50 (g/ml) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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	1.9	U
319-85-7	beta-BHC	0.63	JP
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	6.1	P
76-44-8	Heptachlor	6.2	PB
309-00-2	Aldrin	0.26	JP
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	73	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	880	P
11096-82-5	Aroclor-1260	36	U

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM.RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395042

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR095042A54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 10 Date Analyzed: 01/28/91

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	54	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	1	~~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

AE 7/16/91

FORM I VOA 3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395042

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GR095042B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/08/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/12/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	1900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1900	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	1900	U
83-32-9	Acenaphthene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395042

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GR095042B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/08/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/12/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	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	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	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	1900	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	44	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	410	
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)Phthalate	43	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	350	JX
207-08-9	Benzo(k)Fluoranthene	350	JX
50-32-8	Benzo(a)Pyrene	180	J
193-39-5	Indeno(1,2,3-cd)Pyrene	120	J
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	140	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395060

Sample wt/vol: 30.20 (g/ml) G Lab File ID:

% Moisture: 10 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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)	0.16	JP
76-44-8	Heptachlor	0.34	JPB
309-00-2	Aldrin	0.83	JP
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	0.95	JP
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.0	JP
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	0.82	JP
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	0.87	JP
5103-71-9	alpha-Chlordane	0.80	JP
5103-74-2	gamma-Chlordane	0.56	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	74	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

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE03

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094812C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 35 Date Analyzed: 01/24/91

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	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	37	B
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	Trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (total)	15	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE03

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: GD094812B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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	5000	U
111-44-4	bis(2-Chloroethyl)Ether	5000	U
95-57-8	2-Chlorophenol	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
95-48-7	2-Methylphenol	5000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5000	U
106-44-5	4-Methylphenol	5000	U
621-64-7	N-Nitroso-Di-n-Propylamine	5000	U
67-72-1	Hexachloroethane	5000	U
98-95-3	Nitrobenzene	5000	U
78-59-1	Isophorone	5000	U
88-75-5	2-Nitrophenol	5000	U
105-67-9	2,4-Dimethylphenol	5000	U
111-91-1	bis(2-Chloroethoxy)Methane	5000	U
120-83-2	2,4-Dichlorophenol	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U
91-20-3	Naphthalene	9600	
106-47-8	4-Chloroaniline	5000	U
87-68-3	Hexachlorobutadiene	5000	U
59-50-7	4-Chloro-3-Methylphenol	5000	U
91-57-6	2-Methylnaphthalene	4200	J
77-47-4	Hexachlorocyclopentadiene	5000	U
88-06-2	2,4,6-Trichlorophenol	5000	U
95-95-4	2,4,5-Trichlorophenol	26000	U
91-58-7	2-Chloronaphthalene	5000	U
88-74-4	2-Nitroaniline	26000	U
131-11-3	Dimethyl Phthalate	5000	U
208-96-8	Acenaphthylene	5000	U
606-20-2	2,6-Dinitrotoluene	5000	U
99-09-2	3-Nitroaniline	26000	U
83-32-9	Acenaphthene	15000	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE03

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: GD094812B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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	26000	U
100-02-7	4-Nitrophenol	26000	U
132-64-9	Dibenzofuran	7900	
121-14-2	2,4-Dinitrotoluene	5000	U
84-66-2	Diethylphthalate	5000	U
7005-72-3	4-Chlorophenyl-phenylether	5000	U
86-73-7	Fluorene	13000	
100-01-6	4-Nitroaniline	26000	U
534-52-1	4,6-Dinitro-2-Methylphenol	26000	U
86-30-6	N-Nitrosodiphenylamine (1)	5000	U
101-55-3	4-Bromophenyl-phenylether	5000	U
118-74-1	Hexachlorobenzene	5000	U
87-86-5	Pentachlorophenol	26000	U
85-01-8	Phenanthrene	100000	E
120-12-7	Anthracene	22000	
86-74-8	Carbazole	18000	
84-74-2	Di-n-Butylphthalate	1100	J
206-44-0	Fluoranthene	120000	E
129-00-0	Pyrene	87000	E
85-68-7	Butylbenzylphthalate	580	J
91-94-1	3,3'-Dichlorobenzidine	5000	U
56-55-3	Benzo(a)Anthracene	63000	E
218-01-9	Chrysene	53000	E
117-81-7	bis(2-Ethylhexyl)Phthalate	590	J
117-84-0	Di-n-Octyl Phthalate	5000	U
205-99-2	Benzo(b)Fluoranthene	65000	E
207-08-9	Benzo(k)Fluoranthene	20000	
50-32-8	Benzo(a)Pyrene	40000	E
193-39-5	Indeno(1,2,3-cd)Pyrene	18000	
53-70-3	Dibenz(a,h)Anthracene	5700	
191-24-2	Benzo(g,h,i)Perylene	14000	

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET (Red)

EPA SAMPLE NO.

CFE03DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: G2D94812C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 50

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	25000	U
111-44-4	bis(2-Chloroethyl)Ether	25000	U
95-57-8	2-Chlorophenol	25000	U
541-73-1	1,3-Dichlorobenzene	25000	U
106-46-7	1,4-Dichlorobenzene	25000	U
95-50-1	1,2-Dichlorobenzene	25000	U
95-48-7	2-Methylphenol	25000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	25000	U
106-44-5	4-Methylphenol	25000	U
621-64-7	N-Nitroso-Di-n-Propylamine	25000	U
67-72-1	Hexachloroethane	25000	U
98-95-3	Nitrobenzene	25000	U
78-59-1	Isophorone	25000	U
88-75-5	2-Nitrophenol	25000	U
105-67-9	2,4-Dimethylphenol	25000	U
111-91-1	bis(2-Chloroethoxy)Methane	25000	U
120-83-2	2,4-Dichlorophenol	25000	U
120-82-1	1,2,4-Trichlorobenzene	25000	U
91-20-3	Naphthalene	9800	DJ
106-47-8	4-Chloroaniline	25000	U
87-68-3	Hexachlorobutadiene	25000	U
59-50-7	4-Chloro-3-Methylphenol	25000	U
91-57-6	2-Methylnaphthalene	3900	DJ
77-47-4	Hexachlorocyclopentadiene	25000	U
88-06-2	2,4,6-Trichlorophenol	25000	U
95-95-4	2,4,5-Trichlorophenol	130000	U
91-58-7	2-Chloronaphthalene	25000	U
88-74-4	2-Nitroaniline	130000	U
131-11-3	Dimethyl Phthalate	25000	U
208-96-8	Acenaphthylene	25000	U
606-20-2	2,6-Dinitrotoluene	25000	U
99-09-2	3-Nitroaniline	130000	U
83-32-9	Acenaphthene	15000	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE03DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: G2D94812C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 50

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	130000	U
100-02-7	4-Nitrophenol	130000	U
132-64-9	Dibenzofuran	7100	DJ
121-14-2	2,4-Dinitrotoluene	25000	U
84-66-2	Diethylphthalate	25000	U
7005-72-3	4-Chlorophenyl-phenylether	25000	U
86-73-7	Fluorene	12000	DJ
100-01-6	4-Nitroaniline	130000	U
534-52-1	4,6-Dinitro-2-Methylphenol	130000	U
86-30-6	N-Nitrosodiphenylamine (1)	25000	U
101-55-3	4-Bromophenyl-phenylether	25000	U
118-74-1	Hexachlorobenzene	25000	U
87-86-5	Pentachlorophenol	130000	U
85-01-8	Phenanthrene	120000	D
120-12-7	Anthracene	22000	DJ
86-74-8	Carbazole	16000	DJ
84-74-2	Di-n-Butylphthalate	25000	U
206-44-0	Fluoranthene	140000	D
129-00-0	Pyrene	120000	D
85-68-7	Butylbenzylphthalate	25000	U
91-94-1	3,3'-Dichlorobenzidine	25000	U
56-55-3	Benzo(a)Anthracene	61000	D
218-01-9	Chrysene	52000	D
117-81-7	bis(2-Ethylhexyl)Phthalate	25000	U
117-84-0	Di-n-Octyl Phthalate	25000	U
205-99-2	Benzo(b)Fluoranthene	86000	DX
207-08-9	Benzo(k)Fluoranthene	86000	DX
50-32-8	Benzo(a)Pyrene	42000	D
193-39-5	Indeno(1,2,3-cd)Pyrene	30000	D
53-70-3	Dibenz(a,h)Anthracene	9500	DJ
191-24-2	Benzo(g,h,i)Perylene	27000	D

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE03DL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394822 D21

Sample wt/vol: 30.30 (g/ml) G Lab File ID: PC094822B02

% Moisture: 35 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 20

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	6.5	DJP
319-85-7	beta-BHC	52	U
319-86-8	delta-BHC	52	U
58-89-9	gamma-BHC (Lindane)	27	DJP
76-44-8	Heptachlor	52	U
309-00-2	Aldrin	52	U
1024-57-3	Heptachlor epoxide	52	U
959-98-8	Endosulfan I	52	U
60-57-1	Dieldrin	100	U
72-55-9	4,4'-DDE	100	U
72-20-8	Endrin	100	U
33213-65-9	Endosulfan II	100	U
72-54-8	4,4'-DDD	100	U
1031-07-8	Endosulfan sulfate	100	U
50-29-3	4,4'-DDT	100	U
72-43-5	Methoxychlor	520	U
53494-70-5	Endrin ketone	100	U
7421-36-3	Endrin aldehyde	100	U
5103-71-9	alpha-Chlordane	52	U
5103-74-2	gamma-Chlordane	52	U
8001-35-2	Toxaphene	5200	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	2000	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	1000	U
11097-69-1	Aroclor-1254	7400	DC
11096-82-5	Aroclor-1260	1000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE03DL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394822 D22

Sample wt/vol: 30.30 (g/ml) G Lab File ID: PC094822B02

% Moisture: 35 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/25/91

Injection Volume: 1.0 (uL) Dilution Factor: 200

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	520	U
319-85-7	beta-BHC	520	U
319-86-8	delta-BHC	520	U
58-89-9	gamma-BHC (Lindane)	520	U
76-44-8	Heptachlor	520	U
309-00-2	Aldrin	520	U
1024-57-3	Heptachlor epoxide	520	U
959-98-8	Endosulfan I	520	U
60-57-1	Dieldrin	1000	U
72-55-9	4,4'-DDE	1000	U
72-20-8	Endrin	1000	U
33213-65-9	Endosulfan II	1000	U
72-54-8	4,4'-DDD	1000	U
1031-07-8	Endosulfan sulfate	1000	U
50-29-3	4,4'-DDT	1000	U
72-43-5	Methoxychlor	5200	U
53494-70-5	Endrin ketone	1000	U
7421-36-3	Endrin aldehyde	1000	U
5103-71-9	alpha-Chlordane	520	U
5103-74-2	gamma-Chlordane	520	U
8001-35-2	Toxaphene	52000	U
12674-11-2	Aroclor-1016	10000	U
11104-28-2	Aroclor-1221	10000	U
11141-16-5	Aroclor-1232	20000	U
53469-21-9	Aroclor-1242	10000	U
12672-29-6	Aroclor-1248	10000	U
11097-69-1	Aroclor-1254	15000	DC
11096-82-5	Aroclor-1260	10000	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395043

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095043B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 32 Date Analyzed: 01/25/91

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	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	51	B
67-64-1	Acetone	34	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	Trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (total)	15	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395043

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD095043A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 32 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400	U
111-44-4	bis(2-Chloroethyl)Ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-Di-n-Propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)Methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	1400	U
106-47-8	4-Chloroaniline	1400	U
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-Methylphenol	1400	U
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	7400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	7400	U
131-11-3	Dimethyl Phthalate	1400	U
208-96-8	Acenaphthylene	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	7400	U
83-32-9	Acenaphthene	1400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395043

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD095043A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 32 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	7400	U
100-02-7	4-Nitrophenol	7400	U
132-64-9	Dibenzofuran	1400	U
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
86-73-7	Fluorene	1400	U
100-01-6	4-Nitroaniline	7400	U
534-52-1	4,6-Dinitro-2-Methylphenol	7400	U
86-30-6	N-Nitrosodiphenylamine (1)	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	7400	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	230	J
86-74-8	Carbazole	1400	U
84-74-2	Di-n-Butylphthalate	1400	U
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	1100	J
218-01-9	Chrysene	1100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	160	J
117-84-0	Di-n-Octyl Phthalate	1400	U
205-99-2	Benzo(b)Fluoranthene	1400	J
207-08-9	Benzo(k)Fluoranthene	540	J
50-32-8	Benzo(a)Pyrene	820	J
193-39-5	Indeno(1,2,3-cd)Pyrene	420	J
53-70-3	Dibenz(a,h)Anthracene	1400	U
191-24-2	Benzo(g,h,i)Perylene	1400	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395061

Sample wt/vol: 30.20 (g/ml) G Lab File ID: PC095061B02

% Moisture: 32 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.41	JP
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	0.52	JP
76-44-8	Heptachlor	1.6	JPB
309-00-2	Aldrin	0.55	JP
1024-57-3	Heptachlor epoxide	0.57	JP
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.8	U
72-55-9	4,4'-DDE	2.6	JP
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	4.8	U
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	4.8	U
7421-36-3	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	3.5	P
5103-74-2	gamma-Chlordane	4.0	P
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	48	U
11141-16-5	Aroclor-1232	98	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	7600	C

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395046

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095046C13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 5 Date Analyzed: 01/25/91

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	16	B
67-64-1	Acetone	11	U
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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395046

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095046B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 5 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	150	J
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	200	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	130	J
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	38	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM,RTP Contract: 68D00159

La Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395046

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095046B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 5 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	450	
120-12-7	Anthracene	170	J
86-74-8	Carbazole	100	J
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	830	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	760	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)Phthalate	66	J
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	2100	
207-08-9	Benzo(k)Fluoranthene	670	
50-32-8	Benzo(a)Pyrene	550	
193-39-5	Indeno(1,2,3-cd)Pyrene	340	J
53-70-3	Dibenz(a,h)Anthracene	160	J
191-24-2	Benzo(g,h,i)Perylene	72	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395062

Sample wt/vol: 30.10 (g/ml) G Lab File ID:

% Moisture: 5 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.4 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)	0.60	JP
76-44-8	Heptachlor	1.5	JP
309-00-2	Aldrin	2.5	P
1024-57-3	Heptachlor epoxide	0.42	JP
959-98-8	Endosulfan I	0.18	JP
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	9.4	P
72-20-8	Endrin	0.69	JP
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	26	
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	59	P
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	J
5103-74-2	gamma-Chlordane	3.7	P
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	70	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE06

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395047

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95047C54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 23 Date Analyzed: 01/29/91

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	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	32	B
67-64-1	Acetone	8	J
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	2	J
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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE06

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395047

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH095047B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE06

ab Name: COMPUCHEM,RTP Contract: 68D00159

a_ Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

a*rix: (soil/water) SOIL Lab Sample ID: 395047

ample wt/vol: 30.4 (g/mL) G Lab File ID: GH095047B08

e el: (low/med) LOW Date Received: 01/24/91

Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

o_centrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

n*ection Volume: 2.0(uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	79	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	99	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	66	J
218-01-9	Chrysene	83	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1700	
117-84-0	Di-n-Octyl Phthalate	74	J
205-99-2	Benzo(b)Fluoranthene	170	JX
207-08-9	Benzo(k)Fluoranthene	170	JX
50-32-8	Benzo(a)Pyrene	56	J
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenz(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE06

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395063

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

Moisture: 23 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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	0.79	JPC3
309-00-2	Aldrin	0.76	JP
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	4.4	P
72-20-8	Endrin	4.2	JP
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	7.7	P
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	31	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	0.45	JP
7421-36-3	Endrin aldehyde	4.3	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	0.44	JP
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	43	U
11141-16-5	Aroclor-1232	87	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395049

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095049C13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 6 Date Analyzed: 01/25/91

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	23	B
67-64-1	Acetone	12	
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	2	J
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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395049

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095049A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 6 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethyl Phthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395049

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095049A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 6 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-Methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	39	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	100	J
206-44-0	Fluoranthene	36	J
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	58	J
117-84-0	Di-n-Octyl Phthalate	240	J
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395064

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

Moisture: 6 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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)	0.13	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	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	71	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	1300	
11096-82-5	Aroclor-1260	35	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE08

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395051

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95051B13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 17 Date Analyzed: 01/30/91

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	31	B
67-64-1	Acetone	12	U
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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE08

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395051

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095051B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3

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	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	2000	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	2000	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE08

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395051

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095051B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	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	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	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	130	J
85-01-8	Phenanthrene	160	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	390	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	220	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	48	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	470	X
207-08-9	Benzo(k)Fluoranthene	470	X
50-32-8	Benzo(a)Pyrene	140	J
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE08

ab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

atrix: (soil/water) SOIL Lab Sample ID: 395065

Sample wt/vol: 30.10 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 01/24/91

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

njection Volume: 1.0 (uL) Dilution Factor: 1

Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
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	4.0	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	40	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	830	
11096-82-5	Aroclor-1260	40	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395053

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR095053B13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 23 Date Analyzed: 01/29/91

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	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	37	B
67-64-1	Acetone	13	U
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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395053

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095053B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	2200	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	61	J
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	71	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395053

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095053B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	140	J
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	2200	U
534-52-1	4,6-Dinitro-2-Methylphenol	2200	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	2200	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	150	J
86-74-8	Carbazole	63	J
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	1100	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)Phthalate	330	J
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b)Fluoranthene	2800	X
207-08-9	Benzo(k)Fluoranthene	2800	X
50-32-8	Benzo(a)Pyrene	740	
193-39-5	Indeno(1,2,3-cd)Pyrene	360	J
53-70-3	Dibenz(a,h)Anthracene	110	J
191-24-2	Benzo(g,h,i)Perylene	260	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395066

ORIGINAL (Red)

Sample wt/vol: 30.20 (g/ml) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.91	JP
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	0.46	JP
76-44-8	Heptachlor	0.59	JPB
309-00-2	Aldrin	3.6	P
1024-57-3	Heptachlor epoxide	1.9	JP
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	6.0	P
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	3.9	
5103-74-2	gamma-Chlordane	5.6	P
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	43	U
11141-16-5	Aroclor-1232	86	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	1500	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395055

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095055B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 16 Date Analyzed: 01/25/91

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	40	B
67-64-1	Acetone	36	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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395055

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GD095055C08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/06/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	6000	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	6000	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	6000	U
83-32-9	Acenaphthene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

ab Name: COMPUCHEM,RTP Contract: 68D00159

a_ Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

atrix: (soil/water) SOIL Lab Sample ID: 395055

ample wt/vol: 30.3 (g/mL) G Lab File ID: GD095055C08

e el: (low/med) LOW Date Received: 01/24/91

Moisture: 16 decanted: (Y/N) N Date Extracted: 01/24/91

o centrated Extract Volume: 500.0 (uL) Date Analyzed: 02/06/91

nection Volume: 2.0(uL) Dilution Factor: 3.0

PC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6000	U
100-02-7	4-Nitrophenol	6000	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	6000	U
534-52-1	4,6-Dinitro-2-Methylphenol	6000	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	6000	U
85-01-8	Phenanthrene	400	J
120-12-7	Anthracene	210	J
86-74-8	Carbazole	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	820	J
129-00-0	Pyrene	680	J
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)Anthracene	440	J
218-01-9	Chrysene	750	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1200	U
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	960	JX
207-08-9	Benzo(k)Fluoranthene	960	JX
50-32-8	Benzo(a)Pyrene	220	J
193-39-5	Indeno(1,2,3-cd)Pyrene	170	J
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395067

Sample wt/vol: 30.40 (g/ml) G Lab File ID:

% Moisture: 16 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.77	JP
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	0.35	JP
76-44-8	Heptachlor	1.8	JP
309-00-2	Aldrin	6.9	P
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	0.51	JP
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	7.4	P
7421-36-3	Endrin aldehyde	2.4	JP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	760	P
11096-82-5	Aroclor-1260	39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395391

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095391B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 20 Date Analyzed: 01/30/91

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	58	B
67-64-1	Acetone	11	BJ
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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395391

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH095391A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	53	J
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	2100	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2100	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	2100	U
83-32-9	Acenaphthene	210	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395391

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH095391A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	81	J
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	170	J
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	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	2100	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	370	J
86-74-8	Carbazole	240	J
84-74-2	Di-n-Butylphthalate	47	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	1100	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)Phthalate	100	J
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	2100	X
207-08-9	Benzo(k)Fluoranthene	2100	X
50-32-8	Benzo(a)Pyrene	830	
193-39-5	Indeno(1,2,3-cd)Pyrene	350	J
53-70-3	Dibenz(a,h)Anthracene	82	J
191-24-2	Benzo(g,h,i)Perylene	320	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395409

Sample wt/vol: 30.50 (g/ml) G Lab File ID:

Moisture: 20 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/18/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	0.15	JP
76-44-8	Heptachlor	0.16	JP
309-00-2	Aldrin	0.43	JP
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	4.1	U
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	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	0.92	JP
5103-74-2	gamma-Chlordane	2.8	P
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	41	U
11141-16-5	Aroclor-1232	82	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	1300	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395394

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95394B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 16 Date Analyzed: 01/31/91

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	20	B
67-64-1	Acetone	12	U
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395394

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GRD95394C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/04/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-Di-n-Propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U
91-20-3	Naphthalene	2100	
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
59-50-7	4-Chloro-3-Methylphenol	2000	U
91-57-6	2-Methylnaphthalene	1200	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethyl Phthalate	2000	U
208-96-8	Acenaphthylene	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	2500	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395394

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GRD95394C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/04/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	2300	
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
86-73-7	Fluorene	3000	
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-Methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	15000	
120-12-7	Anthracene	4800	
86-74-8	Carbazole	2200	
84-74-2	Di-n-Butylphthalate	2000	U
206-44-0	Fluoranthene	11000	
129-00-0	Pyrene	9500	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)Anthracene	5400	
218-01-9	Chrysene	4500	
117-81-7	bis(2-Ethylhexyl)Phthalate	2000	U
117-84-0	Di-n-Octyl Phthalate	2000	U
205-99-2	Benzo(b)Fluoranthene	4400	
207-08-9	Benzo(k)Fluoranthene	1900	J
50-32-8	Benzo(a)Pyrene	3600	
193-39-5	Indeno(1,2,3-cd)Pyrene	2100	
53-70-3	Dibenz(a,h)Anthracene	760	J
191-24-2	Benzo(g,h,i)Perylene	2300	

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395410

Sample wt/vol: 30.40 (g/ml) G Lab File ID:

Moisture: 16 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/18/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.19	JP
319-85-7	beta-BHC	1.7	JP
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	0.85	J
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	1.2	JP
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	0.40	JP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	0.70	J
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	59	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395397

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95397B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 17 Date Analyzed: 01/31/91

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	20	B
67-64-1	Acetone	12	U
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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395397

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ095397B08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/28/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	2000	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	2000	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395397

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ095397B08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/28/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	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	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	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	2000	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	55	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	430	
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	290	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	260	J
207-08-9	Benzo(k)Fluoranthene	110	J
50-32-8	Benzo(a)Pyrene	150	J
193-39-5	Indeno(1,2,3-cd)Pyrene	82	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	93	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395411

Sample wt/vol: 30.20 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/18/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	0.41	JP
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	160	
11096-82-5	Aroclor-1260	39	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

CFE14

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395398

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095398B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 20 Date Analyzed: 01/29/91

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	28	B
67-64-1	Acetone	12	U
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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE14

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395398

Sample wt/vol: 30.9 (g/mL) G Lab File ID: GH095398A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	2100	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	2100	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	2100	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE14

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395398

Sample wt/vol: 30.9 (g/mL) G Lab File ID: GH095398A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	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	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	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	2100	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	76	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	340	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	170	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)Phthalate	45	J
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	300	JX
207-08-9	Benzo(k)Fluoranthene	300	JX
50-32-8	Benzo(a)Pyrene	130	J
193-39-5	Indeno(1,2,3-cd)Pyrene	60	J
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	55	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE14

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395412

Sample wt/vol: 30.06 (g/ml) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/04/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.11	JP
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	2.1	U
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	4.1	U
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	1.4	JP
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	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	41	U
11141-16-5	Aroclor-1232	84	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	410	P
11096-82-5	Aroclor-1260	41	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

La Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095405B13

Level: (low/med) LOW Date Received: 01/25/91

Moisture: not dec. 18 Date Analyzed: 01/29/91

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	44	B
67-64-1	Acetone	14	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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395405

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095405A07

Level: (low/med) LOW Date Received: 01/25/91

%-Moisture: 18 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0

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	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	2000	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	2000	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395405

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095405A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	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	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	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	2000	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	45	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	100	J
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	210	J
117-81-7	bis(2-Ethylhexyl)Phthalate	49	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	360	JX
207-08-9	Benzo(k)Fluoranthene	360	JX
50-32-8	Benzo(a)Pyrene	150	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	63	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395416

Sample wt/vol: 30.04 (g/ml) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/04/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.11	JP
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	0.31	JP
76-44-8	Heptachlor	0.34	JPB
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	4.0	U
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	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.37	JP
7421-36-3	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	40	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	470	P
11096-82-5	Aroclor-1260	40	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CFE17

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395406

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095406B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 16 Date Analyzed: 01/29/91

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	26	B
67-64-1	Acetone	12	U
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	2	J
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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE17

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395406

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GJ095406A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	2000	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	2000	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE17

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395406

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GJ095406A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	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	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	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	2000	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE17

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395418

Sample wt/vol: 30.01 (g/ml) G Lab File ID:

% Moisture: 16 decanted: (Y/N) N Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/04/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	0.19	JPB
309-00-2	Aldrin	0.22	JP
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395407

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095407B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 22 Date Analyzed: 01/29/91

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	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	49	B
67-64-1	Acetone	13	U
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	2	J
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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395407

Sample wt/vol: 30.6 (g/mL) G Lab File ID: GJ095407C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 01/28/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/07/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	2100	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2100	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	2100	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395407

Sample wt/vol: 30.6 (g/mL) G Lab File ID: GJ095407C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 01/28/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/07/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	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	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	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	2100	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	52	J
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	210	J
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)Phthalate	68	J
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	380	JX
207-08-9	Benzo(k)Fluoranthene	380	JX
50-32-8	Benzo(a)Pyrene	150	J
193-39-5	Indeno(1,2,3-cd)Pyrene	66	J
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	43	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

ab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE14

atrix: (soil/water) SOIL Lab Sample ID: 395419

Sample wt/vol: 30.05 (g/ml) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 01/25/91

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/05/91

njection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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)	0.42	JP
76-44-8	Heptachlor	0.53	JPB
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	4.2	U
72-55-9	4,4'-DDE	1.1	JP
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	1.1	J
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	42	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	87	P
11096-82-5	Aroclor-1260	42	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395408

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095408B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 13 Date Analyzed: 01/29/91

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	45	B
67-64-1	Acetone	11	U
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	1	J
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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395408

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GH095408A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 13 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.4

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	1900	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1900	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	1900	U
83-32-9	Acenaphthene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395408

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GH095408A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 13 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	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	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	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	1900	U
85-01-8	Phenanthrene	67	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	92	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	50	J
218-01-9	Chrysene	40	J
117-81-7	bis(2-Ethylhexyl)Phthalate	40	J
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	74	JX
207-08-9	Benzo(k)Fluoranthene	74	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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

ab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE14

atrix: (soil/water) SOIL Lab Sample ID: 395420

ample wt/vol: 30.05 (g/ml) G Lab File ID:

% Moisture: 13 decanted: (Y/N) N Date Received: 01/25/91

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/29/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 03/05/91

njection Volume: 1.0 (uL) Dilution Factor: 1

E Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	0.71	JP
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	0.24	JP
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	77	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	67	
11096-82-5	Aroclor-1260	38	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE20

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395057

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095057B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 31 Date Analyzed: 01/25/91

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	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	67	B
67-64-1	Acetone	51	B
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	Trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

ORIGINAL (Red)

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395057

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095057B15

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	77	J
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	260	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethyl Phthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	180	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395057

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095057B15

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 31 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	75	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-Methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	1600	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	220	J
84-74-2	Di-n-Butylphthalate	51	J
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	120	J
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)Anthracene	1500	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	510	B
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo(b)Fluoranthene	3300	X
207-08-9	Benzo(k)Fluoranthene	3300	X
50-32-8	Benzo(a)Pyrene	1200	
193-39-5	Indeno(1,2,3-cd)Pyrene	840	
53-70-3	Dibenz(a,h)Anthracene	220	J
191-24-2	Benzo(g,h,i)Perylene	880	

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE20

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395068

Sample wt/vol: 30.30 (g/ml) G Lab File ID: PC095068B02

% Moisture: 31 decanted: (Y/N) N Date Received: 01/24/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.40	JP
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	0.67	JP
76-44-8	Heptachlor	0.50	JPB
309-00-2	Aldrin	1.8	JP
1024-57-3	Heptachlor epoxide	0.57	JP
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	2.2	JP
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	3.9	P
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	47	U
11141-16-5	Aroclor-1232	96	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	8200	C

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE22

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395515

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095515B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	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

ORIGINAL (Red)

EPA SAMPLE NO.

CFE24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395059

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095059B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 36 Date Analyzed: 01/25/91

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	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	55	B
67-64-1	Acetone	75	B
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	Trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395059

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH095059B15

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 36 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
111-44-4	bis(2-Chloroethyl)Ether	510	U
95-57-8	2-Chlorophenol	510	U
541-73-1	1,3-Dichlorobenzene	510	U
106-46-7	1,4-Dichlorobenzene	510	U
95-50-1	1,2-Dichlorobenzene	510	U
95-48-7	2-Methylphenol	510	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	510	U
106-44-5	4-Methylphenol	510	U
621-64-7	N-Nitroso-Di-n-Propylamine	510	U
67-72-1	Hexachloroethane	510	U
98-95-3	Nitrobenzene	510	U
78-59-1	Isophorone	510	U
88-75-5	2-Nitrophenol	510	U
105-67-9	2,4-Dimethylphenol	510	U
111-91-1	bis(2-Chloroethoxy)Methane	510	U
120-83-2	2,4-Dichlorophenol	510	U
120-82-1	1,2,4-Trichlorobenzene	510	U
91-20-3	Naphthalene	510	U
106-47-8	4-Chloroaniline	510	U
87-68-3	Hexachlorobutadiene	510	U
59-50-7	4-Chloro-3-Methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	510	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethyl Phthalate	510	U
208-96-8	Acenaphthylene	510	U
606-20-2	2,6-Dinitrotoluene	510	U
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	510	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395059

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH095059B15

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 36 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	510	U
121-14-2	2,4-Dinitrotoluene	510	U
84-66-2	Diethylphthalate	510	U
7005-72-3	4-Chlorophenyl-phenylether	510	U
86-73-7	Fluorene	510	U
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-Methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine (1)	510	U
101-55-3	4-Bromophenyl-phenylether	510	U
118-74-1	Hexachlorobenzene	510	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	510	U
86-74-8	Carbazole	510	U
84-74-2	Di-n-Butylphthalate	60	J
206-44-0	Fluoranthene	590	
129-00-0	Pyrene	500	J
85-68-7	Butylbenzylphthalate	220	J
91-94-1	3,3'-Dichlorobenzidine	510	U
56-55-3	Benzo(a)Anthracene	360	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)Phthalate	600	B
117-84-0	Di-n-Octyl Phthalate	510	U
205-99-2	Benzo(b)Fluoranthene	710	X
207-08-9	Benzo(k)Fluoranthene	710	X
50-32-8	Benzo(a)Pyrene	230	J
193-39-5	Indeno(1,2,3-cd)Pyrene	200	J
53-70-3	Dibenz(a,h)Anthracene	510	U
191-24-2	Benzo(g,h,i)Perylene	190	J

(1) - Cannot be separated from Diphenylamine

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE24

ab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

atrix: (soil/water) SOIL Lab Sample ID: 395069

Sample wt/vol: 30.30 (g/ml) G Lab File ID:

% Moisture: 36 decanted: (Y/N) N Date Received: 01/24/91

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/18/91

njection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.67	J
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.0	JP
76-44-8	Heptachlor	0.38	JP~~B~~
309-00-2	Aldrin	0.21	JP
1024-57-3	Heptachlor epoxide	4.4	P
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	11	P
72-55-9	4,4'-DDE	32	
72-20-8	Endrin	5.6	P
33213-65-9	Endosulfan II	3.3	JP
72-54-8	4,4'-DDD	1.6	JP
1031-07-8	Endosulfan sulfate	5.1	U
50-29-3	4,4'-DDT	84	P
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.1	U
7421-36-3	Endrin aldehyde	1.0	JP
5103-71-9	alpha-Chlordane	2.4	JP
5103-74-2	gamma-Chlordane	6.1	P
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	51	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394773

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094773C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	3	J
75-34-3	1,1-Dichloroethane	9	J
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	5	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394773

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094773A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394773

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094773A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394790

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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)	0.0040	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	0.017	JP
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	0.015	JP
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394780

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094780C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394780

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094780A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394780

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094780A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394794

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394781

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094781C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394781

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094781A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE27

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394781

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094781A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE27

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394795

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394782

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094782C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	6	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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394782

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094782A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394782

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094782A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394796

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

Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394783

Sample wt/vol: 2.5 (g/mL) ML Lab File ID: CN094783C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	56	B
67-64-1	Acetone	40	B
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1-Dichloroethene	57	
75-34-3	1,1-Dichloroethane	42	
540-59-0	1,2-Dichloroethene (total)	20	U
67-66-3	Chloroform	4	J
107-06-2	1,2-Dichloroethane	3	J
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	14	J
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	280	
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	Trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	69	
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394783

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094783A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394783

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094783A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394797

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	Endrin aldehyde	0.0077	JP
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	1.0	U
11141-16-5	Aroclor-1232	2.0	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	0.36	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395516

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095516B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	14	
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)	5	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395516

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095516A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	1	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395516

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095516A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	1	J
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	96	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395521

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

% Moisture: decanted: (Y/N) Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394784

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR094784C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	14	B
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) WATER Lab Sample ID: 394784

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR094784A07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/30/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE31

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394784

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR094784A07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/30/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE31 (Red) ORIGINAL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394798

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE32

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394804

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094804C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	4	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE33 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394785

Sample wt/vol: 1.5 (g/mL) ML Lab File ID: CR094785C53

Level: (low/med) LOW Date Received: 01/23/90

% Moisture: not dec. ____ Date Analyzed: 01/25/91

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.00

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	33	U
74-83-9	Bromomethane	33	U
75-01-4	Vinyl Chloride	33	U
75-00-3	Chloroethane	33	U
75-09-2	Methylene Chloride	35	B
67-64-1	Acetone	30	J
75-15-0	Carbon Disulfide	33	U
75-35-4	1,1-Dichloroethene	33	U
75-34-3	1,1-Dichloroethane	33	U
540-59-0	1,2-Dichloroethene (total)	33	U
67-66-3	Chloroform	33	U
107-06-2	1,2-Dichloroethane	33	U
78-93-3	2-Butanone	380	
71-55-6	1,1,1-Trichloroethane	33	U
56-23-5	Carbon Tetrachloride	33	U
75-27-4	Bromodichloromethane	33	U
78-87-5	1,2-Dichloropropane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
79-01-6	Trichloroethene	33	U
124-48-1	Dibromochloromethane	33	U
79-00-5	1,1,2-Trichloroethane	33	U
71-43-2	Benzene	33	U
10061-02-6	Trans-1,3-Dichloropropene	33	U
75-25-2	Bromoform	33	U
108-10-1	4-Methyl-2-Pentanone	33	U
591-78-6	2-Hexanone	33	U
127-18-4	Tetrachloroethene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
108-88-3	Toluene	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethylbenzene	33	U
100-42-5	Styrene	33	U
1330-20-7	Xylene (total)	33	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE33 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394785

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094785A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE33 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394785

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094785A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE33 (Red) ORIGINAL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394799

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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)	0.0035	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	0.013	JP
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE34 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094786C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
67-64-1	Acetone	14	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	2	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	560	E
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.

CFE34RE

ORIGINAL (red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 1.8 (g/mL) ML Lab File ID: C2R94786A53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	28	U
74-83-9	Bromomethane	28	U
75-01-4	Vinyl Chloride	28	U
75-00-3	Chloroethane	28	U
75-09-2	Methylene Chloride	22	BJ
67-64-1	Acetone	11	J
75-15-0	Carbon Disulfide	28	U
75-35-4	1,1-Dichloroethene	28	U
75-34-3	1,1-Dichloroethane	28	U
540-59-0	1,2-Dichloroethene (total)	28	U
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	28	U
78-93-3	2-Butanone	640	E
71-55-6	1,1,1-Trichloroethane	28	U
56-23-5	Carbon Tetrachloride	28	U
75-27-4	Bromodichloromethane	28	U
78-87-5	1,2-Dichloropropane	28	U
10061-01-5	cis-1,3-Dichloropropene	28	U
79-01-6	Trichloroethene	28	U
124-48-1	Dibromochloromethane	28	U
79-00-5	1,1,2-Trichloroethane	28	U
71-43-2	Benzene	28	U
10061-02-6	Trans-1,3-Dichloropropene	28	U
75-25-2	Bromoform	28	U
108-10-1	4-Methyl-2-Pentanone	28	U
591-78-6	2-Hexanone	28	U
127-18-4	Tetrachloroethene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
108-88-3	Toluene	28	U
108-90-7	Chlorobenzene	28	U
100-41-4	Ethylbenzene	28	U
100-42-5	Styrene	28	U
1330-20-7	Xylene (total)	28	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE34

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094786A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE34

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094786A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1	J
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE34

ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394800

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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)	0.0072	J
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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE35

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394787

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094787C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	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	2	J
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	18	
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	2	J
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE35 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394787

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094787A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	14	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	1	J
106-46-7	1,4-Dichlorobenzene	12	
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	22	
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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE35 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394787

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094787A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	1	J
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CFE35

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394801

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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	0.0055	JP
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	0.012	JP
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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE36

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394788

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094788C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	2	J
75-35-4	1,1-Dichloroethene	7	J
75-34-3	1,1-Dichloroethane	4	J
540-59-0	1,2-Dichloroethene (total)	5	J
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	1	J
78-93-3	2-Butanone	10	
71-55-6	1,1,1-Trichloroethane	24	
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	35	
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	1	J
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	12	
79-34-5	1,1,2,2-Tetrachloroethane	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE36 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394788

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094788C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/91

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	2	J
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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE36

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394788

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094788C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE36 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394802

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

% Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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)	0.016	J
76-44-8	Heptachlor	0.0072	J
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.0083	JP
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.015	JP
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.036	JP
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	1.0	U
11141-16-5	Aroclor-1232	2.0	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	2.1	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE37

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394789

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094789C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	BJ
67-64-1	Acetone	14	
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	1	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	53	
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)	1	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE37 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394789

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ094789C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE37 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394789

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ094789C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE37

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394803

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

Moisture: decanted: (Y/N) Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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)	0.036	JP
76-44-8	Heptachlor	0.012	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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE38

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394813

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094813C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 17 Date Analyzed: 01/24/91

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	27	B
67-64-1	Acetone	12	U
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	1	J
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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE38 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394813

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD094813B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	6100	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	6100	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	6100	U
83-32-9	Acenaphthene	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE38 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394813

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD094813B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6100	U
100-02-7	4-Nitrophenol	6100	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	6100	U
534-52-1	4,6-Dinitro-2-Methylphenol	6100	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	6100	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	1200	U
86-74-8	Carbazole	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	230	J
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)Anthracene	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)Phthalate	590	J
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	140	J
207-08-9	Benzo(k)Fluoranthene	1200	U
50-32-8	Benzo(a)Pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE38 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394823

Sample wt/vol: 30.50 (g/ml) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.3 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	7.2	P
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	0.28	JPB
309-00-2	Aldrin	0.50	JP
1024-57-3	Heptachlor epoxide	0.27	JP
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.1	
72-55-9	4,4'-DDE	0.48	JP
72-20-8	Endrin	0.43	JP
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	4.5	P
1031-07-8	Endosulfan sulfate	1.5	JP
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	1.1	J
5103-74-2	gamma-Chlordane	1.9	J
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE39 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394814

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094814C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 40 Date Analyzed: 01/24/91

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	34	B
67-64-1	Acetone	28	
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	2	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE39 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394814

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GD094814B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 40 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	8500	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	8500	U
131-11-3	Dimethyl Phthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	8500	U
83-32-9	Acenaphthene	1600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE39 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394814

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GD094814B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 40 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8500	U
100-02-7	4-Nitrophenol	8500	U
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
86-73-7	Fluorene	1600	U
100-01-6	4-Nitroaniline	8500	U
534-52-1	4,6-Dinitro-2-Methylphenol	8500	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	8500	U
85-01-8	Phenanthrene	380	J
120-12-7	Anthracene	1600	U
86-74-8	Carbazole	1600	U
84-74-2	Di-n-Butylphthalate	1600	U
206-44-0	Fluoranthene	590	J
129-00-0	Pyrene	560	J
85-68-7	Butylbenzylphthalate	1100	J
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	380	J
218-01-9	Chrysene	440	J
117-81-7	bis(2-Ethylhexyl)Phthalate	3400	
117-84-0	Di-n-Octyl Phthalate	210	J
205-99-2	Benzo(b)Fluoranthene	770	JX
207-08-9	Benzo(k)Fluoranthene	770	JX
50-32-8	Benzo(a)Pyrene	310	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1600	U
53-70-3	Dibenz(a,h)Anthracene	1600	U
191-24-2	Benzo(g,h,i)Perylene	1600	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE39 (Red) ORIGINAL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394824

Sample wt/vol: 30.50 (g/ml) G Lab File ID:

% Moisture: 40 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.4 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	11	
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	1.2	JP
76-44-8	Heptachlor	2.0	JPB
309-00-2	Aldrin	2.3	JP
1024-57-3	Heptachlor epoxide	0.81	J
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.4	U
72-55-9	4,4'-DDE	0.87	JP
72-20-8	Endrin	5.7	P
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	5.4	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-36-3	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	3.7	P
5103-74-2	gamma-Chlordane	9.3	P
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	54	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	54	U
11096-82-5	Aroclor-1260	390	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE40 ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394815

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G3R94815A54

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 52 Date Analyzed: 01/28/91

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	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	75	B
67-64-1	Acetone	160	B
75-15-0	Carbon Disulfide	21	U
75-35-4	1,1-Dichloroethene	21	U
75-34-3	1,1-Dichloroethane	21	U
540-59-0	1,2-Dichloroethene (total)	21	U
67-66-3	Chloroform	3	BJ
107-06-2	1,2-Dichloroethane	21	U
78-93-3	2-Butanone	13	J
71-55-6	1,1,1-Trichloroethane	21	U
56-23-5	Carbon Tetrachloride	21	U
75-27-4	Bromodichloromethane	21	U
78-87-5	1,2-Dichloropropane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
79-01-6	Trichloroethene	21	U
124-48-1	Dibromochloromethane	21	U
79-00-5	1,1,2-Trichloroethane	21	U
71-43-2	Benzene	21	U
10061-02-6	Trans-1,3-Dichloropropene	21	U
75-25-2	Bromoform	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
108-88-3	Toluene	21	U
108-90-7	Chlorobenzene	3	BJ
100-41-4	Ethylbenzene	21	U
100-42-5	Styrene	21	U
1330-20-7	Xylene (total)	21	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE

ORIGINAL (Red)

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394815

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094815C(

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 52 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	3400	U
111-44-4	bis(2-Chloroethyl)Ether	3400	U
95-57-8	2-Chlorophenol	3400	U
541-73-1	1,3-Dichlorobenzene	5300	
106-46-7	1,4-Dichlorobenzene	8800	
95-50-1	1,2-Dichlorobenzene	1400	J
95-48-7	2-Methylphenol	3400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3400	U
106-44-5	4-Methylphenol	3400	U
621-64-7	N-Nitroso-Di-n-Propylamine	3400	U
67-72-1	Hexachloroethane	3400	U
98-95-3	Nitrobenzene	3400	U
78-59-1	Isophorone	3400	U
88-75-5	2-Nitrophenol	3400	U
105-67-9	2,4-Dimethylphenol	3400	U
111-91-1	bis(2-Chloroethoxy)Methane	3400	U
120-83-2	2,4-Dichlorophenol	3400	U
120-82-1	1,2,4-Trichlorobenzene	20000	
91-20-3	Naphthalene	3400	U
106-47-8	4-Chloroaniline	3400	U
87-68-3	Hexachlorobutadiene	3400	U
59-50-7	4-Chloro-3-Methylphenol	3400	U
91-57-6	2-Methylnaphthalene	3400	U
77-47-4	Hexachlorocyclopentadiene	3400	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	17000	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	17000	U
131-11-3	Dimethyl Phthalate	3400	U
208-96-8	Acenaphthylene	3400	U
606-20-2	2,6-Dinitrotoluene	3400	U
99-09-2	3-Nitroaniline	17000	U
83-32-9	Acenaphthene	560	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE40

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394815

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094815C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 52 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	17000	U
100-02-7	4-Nitrophenol	17000	U
132-64-9	Dibenzofuran	350	J
121-14-2	2,4-Dinitrotoluene	3400	U
84-66-2	Diethylphthalate	3400	U
7005-72-3	4-Chlorophenyl-phenylether	3400	U
86-73-7	Fluorene	780	J
100-01-6	4-Nitroaniline	17000	U
534-52-1	4,6-Dinitro-2-Methylphenol	17000	U
86-30-6	N-Nitrosodiphenylamine (1)	3400	U
101-55-3	4-Bromophenyl-phenylether	3400	U
118-74-1	Hexachlorobenzene	960	J
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	6800	
120-12-7	Anthracene	1300	J
86-74-8	Carbazole	580	J
84-74-2	Di-n-Butylphthalate	3400	U
206-44-0	Fluoranthene	11000	
129-00-0	Pyrene	6500	
85-68-7	Butylbenzylphthalate	3400	U
91-94-1	3,3'-Dichlorobenzidine	3400	U
56-55-3	Benzo(a)Anthracene	5800	
218-01-9	Chrysene	3800	
117-81-7	bis(2-Ethylhexyl)Phthalate	1500	J
117-84-0	Di-n-Octyl Phthalate	3400	U
205-99-2	Benzo(b)Fluoranthene	8700	X
207-08-9	Benzo(k)Fluoranthene	8700	X
50-32-8	Benzo(a)Pyrene	3400	
193-39-5	Indeno(1,2,3-cd)Pyrene	3500	
53-70-3	Dibenz(a,h)Anthracene	1100	J
191-24-2	Benzo(g,h,i)Perylene	770	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE40DL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394825 D12

Sample wt/vol: 30.20 (g/ml) G Lab File ID: PJ094825C02

% Moisture: 52 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 100

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	350	U
319-85-7	beta-BHC	350	U
319-86-8	delta-BHC	350	U
58-89-9	gamma-BHC (Lindane)	350	U
76-44-8	Heptachlor	350	U
309-00-2	Aldrin	350	U
1024-57-3	Heptachlor epoxide	350	U
959-98-8	Endosulfan I	350	U
60-57-1	Dieldrin	2600	DPX
72-55-9	4,4'-DDE	680	U
72-20-8	Endrin	680	U
33213-65-9	Endosulfan II	680	U
72-54-8	4,4'-DDD	370	DJPX
1031-07-8	Endosulfan sulfate	680	U
50-29-3	4,4'-DDT	680	U
72-43-5	Methoxychlor	3500	U
53494-70-5	Endrin ketone	680	U
7421-36-3	Endrin aldehyde	20000	DPX
5103-71-9	alpha-Chlordane	280	DJPX
5103-74-2	gamma-Chlordane	350	U
8001-35-2	Toxaphene	35000	U
12674-11-2	Aroclor-1016	6800	U
11104-28-2	Aroclor-1221	6800	U
11141-16-5	Aroclor-1232	14000	U
53469-21-9	Aroclor-1242	6800	U
12672-29-6	Aroclor-1248	6800	U
11097-69-1	Aroclor-1254	6800	U
11096-82-5	Aroclor-1260	940000	DC

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE40DL

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394825 D13

Sample wt/vol: 30.20 (g/ml) G Lab File ID: PJ094825C02

% Moisture: 52 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/25/91

Injection Volume: 1.0 (uL) Dilution Factor: 1000

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	3500	U
319-85-7	beta-BHC	3500	U
319-86-8	delta-BHC	3500	U
58-89-9	gamma-BHC (Lindane)	3500	U
76-44-8	Heptachlor	3500	U
309-00-2	Aldrin	3500	U
1024-57-3	Heptachlor epoxide	3500	U
959-98-8	Endosulfan I	3500	U
60-57-1	Dieldrin	2000	DJPX
72-55-9	4,4'-DDE	6800	U
72-20-8	Endrin	400	DJP
33213-65-9	Endosulfan II	6800	U
72-54-8	4,4'-DDD	6800	U
1031-07-8	Endosulfan sulfate	6800	U
50-29-3	4,4'-DDT	6800	U
72-43-5	Methoxychlor	35000	U
53494-70-5	Endrin ketone	6800	U
7421-36-3	Endrin aldehyde	17000	DPX
5103-71-9	alpha-Chlordane	3500	U
5103-74-2	gamma-Chlordane	3500	U
8001-35-2	Toxaphene	350000	U
12674-11-2	Aroclor-1016	68000	U
11104-28-2	Aroclor-1221	68000	U
11141-16-5	Aroclor-1232	140000	U
53469-21-9	Aroclor-1242	68000	U
12672-29-6	Aroclor-1248	68000	U
11097-69-1	Aroclor-1254	68000	U
11096-82-5	Aroclor-1260	1200000	DPC

ORIGINAL (Red)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE41

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394816

Sample wt/vol: 4.0 (g/mL) G Lab File ID: C2R94816C53

Level: (low/med) MED Date Received: 01/23/91

% Moisture: not dec. 44 Date Analyzed: 01/25/91

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2100	U
74-83-9	Bromomethane	2100	U
75-01-4	Vinyl Chloride	2100	U
75-00-3	Chloroethane	2100	U
75-09-2	Methylene Chloride	1300	BJ
67-64-1	Acetone	2100	U
75-15-0	Carbon Disulfide	2100	U
75-35-4	1,1-Dichloroethene	2100	U
75-34-3	1,1-Dichloroethane	2100	U
540-59-0	1,2-Dichloroethene (total)	2100	U
67-66-3	Chloroform	2100	U
107-06-2	1,2-Dichloroethane	2100	U
78-93-3	2-Butanone	2100	U
71-55-6	1,1,1-Trichloroethane	2100	U
56-23-5	Carbon Tetrachloride	2100	U
75-27-4	Bromodichloromethane	2100	U
78-87-5	1,2-Dichloropropane	2100	U
10061-01-5	cis-1,3-Dichloropropene	2100	U
79-01-6	Trichloroethene	2100	U
124-48-1	Dibromochloromethane	2100	U
79-00-5	1,1,2-Trichloroethane	2100	U
71-43-2	Benzene	2100	U
10061-02-6	Trans-1,3-Dichloropropene	2100	U
75-25-2	Bromoform	2100	U
108-10-1	4-Methyl-2-Pentanone	2100	U
591-78-6	2-Hexanone	2100	U
127-18-4	Tetrachloroethene	2100	U
79-34-5	1,1,2,2-Tetrachloroethane	2100	U
108-88-3	Toluene	2100	U
108-90-7	Chlorobenzene	2100	U
100-41-4	Ethylbenzene	2100	U
100-42-5	Styrene	2100	U
1330-20-7	Xylene (total)	2100	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE41

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394816

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094816B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 44 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1700	U
111-44-4	bis(2-Chloroethyl)Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	1700	U
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	9000	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	9000	U
131-11-3	Dimethyl Phthalate	1700	U
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
99-09-2	3-Nitroaniline	9000	U
83-32-9	Acenaphthene	540	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE41

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394816

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094816B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 44 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.6

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	9000	U
100-02-7	4-Nitrophenol	9000	U
132-64-9	Dibenzofuran	1700	U
121-14-2	2,4-Dinitrotoluene	1700	U
84-66-2	Diethylphthalate	1700	U
7005-72-3	4-Chlorophenyl-phenylether	1700	U
86-73-7	Fluorene	1700	U
100-01-6	4-Nitroaniline	9000	U
534-52-1	4,6-Dinitro-2-Methylphenol	9000	U
86-30-6	N-Nitrosodiphenylamine (1)	1700	U
101-55-3	4-Bromophenyl-phenylether	1700	U
118-74-1	Hexachlorobenzene	1700	U
87-86-5	Pentachlorophenol	9000	U
85-01-8	Phenanthrene	1300	J
120-12-7	Anthracene	1700	U
86-74-8	Carbazole	1700	U
84-74-2	Di-n-Butylphthalate	1700	U
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	3400	
85-68-7	Butylbenzylphthalate	600	J
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	1600	J
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)Phthalate	7000	
117-84-0	Di-n-Octyl Phthalate	1700	U
205-99-2	Benzo(b)Fluoranthene	2100	X
207-08-9	Benzo(k)Fluoranthene	2100	X
50-32-8	Benzo(a)Pyrene	1300	J
193-39-5	Indeno(1,2,3-cd)Pyrene	560	J
53-70-3	Dibenz(a,h)Anthracene	410	J
191-24-2	Benzo(g,h,i)Perylene	360	J

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE41

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394826

Sample wt/vol: 30.50 (g/ml) G Lab File ID:

% Moisture: 44 decanted: (Y/N) N Date Received: 01/23/90

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.18	JP
319-85-7	beta-BHC	13	P
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	5.1	P
76-44-8	Heptachlor	3.5	PB
309-00-2	Aldrin	4.5	P
1024-57-3	Heptachlor epoxide	3.0	U
959-98-8	Endosulfan I	3.0	U
60-57-1	Dieldrin	5.8	U
72-55-9	4,4'-DDE	41	P
72-20-8	Endrin	5.8	U
33213-65-9	Endosulfan II	5.8	U
72-54-8	4,4'-DDD	5.8	U
1031-07-8	Endosulfan sulfate	5.8	U
50-29-3	4,4'-DDT	5.8	U
72-43-5	Methoxychlor	30	U
53494-70-5	Endrin ketone	5.8	U
7421-36-3	Endrin aldehyde	5.8	U
5103-71-9	alpha-Chlordane	17	
5103-74-2	gamma-Chlordane	8.0	P
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	58	U
11104-28-2	Aroclor-1221	58	U
11141-16-5	Aroclor-1232	120	U
53469-21-9	Aroclor-1242	58	U
12672-29-6	Aroclor-1248	58	U
11097-69-1	Aroclor-1254	58	U
11096-82-5	Aroclor-1260	830	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE42

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394817

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R94817C54

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 44 Date Analyzed: 01/30/91

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	18	U
74-83-9	Bromomethane	18	U
75-01-4	Vinyl Chloride	18	U
75-00-3	Chloroethane	18	U
75-09-2	Methylene Chloride	41	B
67-64-1	Acetone	18	U
75-15-0	Carbon Disulfide	18	U
75-35-4	1,1-Dichloroethene	18	U
75-34-3	1,1-Dichloroethane	18	U
540-59-0	1,2-Dichloroethene (total)	18	U
67-66-3	Chloroform	19	
107-06-2	1,2-Dichloroethane	18	U
78-93-3	2-Butanone	18	U
71-55-6	1,1,1-Trichloroethane	18	U
56-23-5	Carbon Tetrachloride	18	U
75-27-4	Bromodichloromethane	18	U
78-87-5	1,2-Dichloropropane	18	U
10061-01-5	cis-1,3-Dichloropropene	18	U
79-01-6	Trichloroethene	18	U
124-48-1	Dibromochloromethane	18	U
79-00-5	1,1,2-Trichloroethane	18	U
71-43-2	Benzene	18	U
10061-02-6	Trans-1,3-Dichloropropene	18	U
75-25-2	Bromoform	18	U
108-10-1	4-Methyl-2-Pentanone	18	U
591-78-6	2-Hexanone	18	U
127-18-4	Tetrachloroethene	18	U
79-34-5	1,1,2,2-Tetrachloroethane	18	U
108-88-3	Toluene	18	U
108-90-7	Chlorobenzene	18	U
100-41-4	Ethylbenzene	18	U
100-42-5	Styrene	18	U
1330-20-7	Xylene (total)	18	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE42

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394817

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GD094817A08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 44 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	6100	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	6100	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	6100	U
83-32-9	Acenaphthene	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE42

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394817

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GD094817A08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 44 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6100	U
100-02-7	4-Nitrophenol	6100	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	210	J
100-01-6	4-Nitroaniline	6100	U
534-52-1	4,6-Dinitro-2-Methylphenol	6100	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	6100	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	1200	U
86-74-8	Carbazole	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	460	J
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	280	J
117-81-7	bis(2-Ethylhexyl)Phthalate	200	J
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	1200	U
207-08-9	Benzo(k)Fluoranthene	1200	U
50-32-8	Benzo(a)Pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE42

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394827

Sample wt/vol: 30.40 (g/ml) G Lab File ID:

% Moisture: 44 decanted: (Y/N) N Date Received: 01/23/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/25/91

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	2.3	JP
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	1.5	JP
76-44-8	Heptachlor	0.90	JPB
309-00-2	Aldrin	0.90	JP
1024-57-3	Heptachlor epoxide	3.0	U
959-98-8	Endosulfan I	3.0	U
60-57-1	Dieldrin	2.9	JP
72-55-9	4,4'-DDE	0.80	JP
72-20-8	Endrin	0.99	JP
33213-65-9	Endosulfan II	5.8	U
72-54-8	4,4'-DDD	2.6	JP
1031-07-8	Endosulfan sulfate	5.8	U
50-29-3	4,4'-DDT	5.8	U
72-43-5	Methoxychlor	0.91	JP
53494-70-5	Endrin ketone	5.8	U
7421-36-3	Endrin aldehyde	0.63	JP
5103-71-9	alpha-Chlordane	3.0	U
5103-74-2	gamma-Chlordane	3.0	U
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	58	U
11104-28-2	Aroclor-1221	58	U
11141-16-5	Aroclor-1232	120	U
53469-21-9	Aroclor-1242	58	U
12672-29-6	Aroclor-1248	58	U
11097-69-1	Aroclor-1254	58	U
11096-82-5	Aroclor-1260	58	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395517

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095517B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	32	
75-34-3	1,1-Dichloroethane	17	
540-59-0	1,2-Dichloroethene (total)	37	
67-66-3	Chloroform	6	J
107-06-2	1,2-Dichloroethane	3	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	51	
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	130	
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	38	
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)	1	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395517

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR095517C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/06/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395517

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR095517C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/06/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395522

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

Moisture: decanted: (Y/N) Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395518

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095518C53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/29/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	B
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	2	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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395518

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095518A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395518

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095518A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	22	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395523

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

% Moisture: decanted: (Y/N) Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE45

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395519

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095519C53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/29/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	1	J
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	1	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE45

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395519

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095519A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE45

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395519

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095519A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL Rec'd

EPA SAMPLE NO.

CFE45

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395524

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

% Moisture: decanted: (Y/N) Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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	0.032	JP
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	0.0045	JP
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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395520

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095520C53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/29/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	BJ
67-64-1	Acetone	3	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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395520

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095520A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395520

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095520A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	14	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ORIGINAL Rec'd

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395525

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

% Moisture: decanted: (Y/N) Date Received: 01/25/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/26/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/17/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395916

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095916C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/30/91

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

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	BJ
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395916

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095916A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	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	50	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395916

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095916A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	50	U
100-02-7	4-Nitrophenol	50	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	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	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	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-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

ORIGINAL (Red)

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM LABORATORIES Contract: SAS5849HQ

Lab Code: COMPU Case No.: 15742 SAS No.: 5849HQ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395917

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

% Moisture: decanted: (Y/N) Date Received: 01/28/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: ~~01/29/91~~ 01/30/91 7/17/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/16/91

Injection Volume: 1.0 (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
7421-36-3	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	1.0	U
11141-16-5	Aroclor-1232	2.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

ORIGINAL (Red)

EPA SAMPLE NO.

CFE48

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395255

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095255A53

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	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

ORIGINAL (Red)

WESTON

Appendix D

Reviewed and Corrected
Tentatively Identified Compounds

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094805C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 10 Date Analyzed: 01/24/91

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.	LAB. ARTIFACT	10.05	16	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH094805A08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/03/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	5.83	2300	ABJ
2.	UNKNOWN	6.40	1800	J
3.	TETRACHLOROBENZENE	8.80	3500	J
4. 608-93-5	BENZENE, PENTACHLORO-	9.62	2000	JN
5.	UNKNOWN HYDROCARBON	10.89	1600	J
6.	UNKNOWN HYDROCARBON	12.14	1600	J
7.	PCB	12.64	1600	J
8.	PCB	13.10	2500	J
9.	UNKNOWN	13.17	1900	J
10.	PCB	13.22	5100	J
11.	UNKNOWN	13.37	2700	J
12.	PCB	13.49	3500	J
13.	PCB	13.65	2500	J
14.	PCB	13.84	4700	J
15.	PCB	14.00	3100	J
16.	PCB	14.07	2000	J
17.	UNKNOWN HYDROCARBON	14.19	4400	J
18.	PCB	14.34	1600	J
19.	PCB	14.75	5800	J
20.	PCB	15.24	6600	J
21.	PCB	15.44	2400	J

mjb 4/3/91

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE01DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394805

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094805C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/14/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	TETRACHLOROBENZENE	8.87	5400	J
2. 608-93-5	BENZENE, PENTACHLORO-	9.70	3300	JN
3.	PCB	12.54	5100	J
4.	PCB	12.75	3400	J
5.	D10-PYRENE+UNKNOWN HYDROCARB	12.97	9200	J
6.	PCB	13.24	3600	J
7.	PCB	13.37	11000	J
8.	UNKNOWN	13.52	3500	J
9.	PCB	13.64	9800	J
10.	PCB	13.80	5800	J
11.	PCB	13.99	10000	J
12.	PCB	14.15	8100	J
13.	PCB	14.22	3900	J
14.	PCB	14.35	9000	J
15.	PCB	14.50	4500	J
16.	PCB	14.59	3300	J
17.	UNKNOWN	15.27	3300	J
18.	PCB	15.42	9200	J
19.	PCB	15.50	3900	J
20.	PCB	15.62	3500	J
21.	UNKNOWN HYDROCARBON	16.10	6200	J

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395042

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR095042A54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 10 Date Analyzed: 01/28/91

GC Column: DB-624 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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE02

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395042

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GR095042B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/08/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/12/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.68	290	BJ
2.	VOA TCL	5.25	110	J
3.	UNKNOWN	5.32	620	J
4.	ALDOL	5.42	700	AJ
5.	ALDOL	5.78	290	AJ
6.	UNKNOWN	6.33	880	J
7.	UNKNOWN	7.32	180	J
8.	UNKNOWN	7.65	150	J
9.	D10 PYRENE	12.77	1100	J
10.	BLANK CONTAMINANT	13.52	110	BJ
11.	UNKNOWN PAH	18.05	150	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE03

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094812C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 35 Date Analyzed: 01/24/91

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.	LAB. ARTIFACT	10.05	25	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE03

Lab Name: COMPUCHEM, RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: GD094812B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.60	35000	J
2.		METHYLANTHRACENE	11.69	9100	J
3.		METHYLANTHRACENE	11.72	7500	J
4.		UNKNOWN PAH	11.85	19000	J
5.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	12.49	7500	JN
6.		UNKNOWN CARBOXYLIC ACID	12.55	48000	J
7.		UNKNOWN PAH	13.15	8000	J
8.		BENZOFLUORENE	13.30	19000	J
9.		BENZOFLUORENE	13.39	14000	J
10.		METHYLPYRENE	13.45	11000	J
11.		BENZANTRHACENONE	14.05	16000	J
12.		BENZONAPHTHOTHIOPHENE	14.25	35000	J
13.		UNKNOWN PAH	14.30	14000	J
14.		UNKNOWN PAH	14.37	27000	J
15.		BENZANTHRACENONE	14.42	20000	J
16.		UNKNOWN PAH	14.95	21000	J
17.		UNKNOWN PNA	15.19	18000	J
18.		METHYLBENZANTHRACENE	15.55	23000	J
19.		UNKNOWN PAH	18.29	60000	J
20.		UNKNOWN PAH	18.75	24000	J

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE03DL

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394812

Sample wt/vol: 30.6 (g/mL) G Lab File ID: G2D94812C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 35 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 50

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	METHYLANTHRACENE	11.67	5000	J
2.	UNKNOWN	11.79	13000	J
3.	BENZOFLUORENE	13.22	7500	J
4.	BENZANTHRACENONE	13.97	15000	J
5.	BENZONAPHTHOTHIOPHENE	14.17	35000	J
6.	UNKNOWN PAH	14.20	18000	J
7.	UNKNOWN PAH	14.27	25000	J
8.	BENZANTHRACENONE	14.32	15000	J
9.	UNKNOWN	14.74	7500	J
10.	UNKNOWN PAH	14.85	20000	J
11.	UNKNOWN	14.94	10000	J
12.	UNKNOWN	14.99	5000	J
13.	UNKNOWN	15.07	13000	J
14.	METHYLBENZANTHRACENE	15.45	25000	J
15.	UNKNOWN	15.70	7500	J
16.	UNKNOWN	15.77	7500	J
17.	UNKNOWN	15.82	5000	J
18.	UNKNOWN	16.34	10000	J
19.	UNKNOWN PAH	18.09	45000	J
20.	UNKNOWN PAH	18.54	7500	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395043

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095043B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 32 Date Analyzed: 01/25/91

GC Column: DB-624 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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE04

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395043

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD095043A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 32 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	5.47	2000	ABJ
2.	SOLVENT CONTAMINANT	6.38	1700	BJ
3.	UNKNOWN	11.59	290	J
4.	PCB	13.25	440	J
5.	PCB	13.50	440	J
6.	PCB	13.84	440	J
7.	PCB	14.00	290	J
8.	UNKNOWN	17.57	1200	J
9.	BENZOFLUORANTHENE	18.24	580	J

7/5/? mg

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM.RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395046

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095046C13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 5 Date Analyzed: 01/25/91

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.	LAB. ARTIFACT	1.90	11	J
2.	LAB. ARTIFACT	10.07	23	J

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE05

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395046

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095046B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 5 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 23

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		SOLVENT CONTAMINANT	4.75	170	BJ
2.		UNKNOWN	5.37	210	J
3.		ALDOL	5.48	1200	BAJ
4.		ALDOL	5.83	630	BAJ
5.		UNKNOWN	6.38	170	J
6.		DICHLORO ISOCYANATO BENZENE	8.27	310	J
7.	2471-83-2	1H-INDENE, 1-ETHYLIDENE-	8.39	140	JN
8.		DIMETHYL NAPHTHALENE	9.04	380	J
[illegible]		UNKNOWN	9.80	100	J
[illegible]		UNKNOWN HYDROCARBON	10.35	140	J
11.		UNKNOWN	10.84	100	J
12.	230-17-1	BENZO[C]CINNOLINE	10.89	140	JN
3.		UNKNOWN	12.40	170	J
4.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	12.49	210	JN
15.		BENZO FLUORENE	13.30	140	J
6.		METHYL PYRENE + UNKNOWN	13.45	100	J
7.		METHYL PYRENE	13.60	70	J
18.		UNKNOWN PNA	14.07	100	J
19.		BENZO [B] NAPHTHO THIOPHENE	14.27	140	J
0.		UNKNOWN PAH	14.37	70	J
21.		UNKNOWN	14.44	70	J
22.		UNKNOWN PAH	15.57	170	J
3.		BENZO FLUORANTHENE	18.29	980	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE06

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395047

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95047C54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 23 Date Analyzed: 01/29/91

GC Column: DB-624 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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE06

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395047

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH095047B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.73	380	BJ
2.	VOA TCL	5.32	300	J
3.	UNKNOWN	5.37	560	J
4.	ALDOL	5.48	2100	BAJ
5.	ALDOL	5.57	130	BAJ
6.	ALDOL	5.83	380	BAJ
7.	ALDOL	6.03	260	BAJ
8.	UNKNOWN	6.40	2200	J
9.	UNKNOWN	7.35	260	J
10.	UNKNOWN	7.62	170	J
11.	UNKNOWN	9.80	170	J
12.	TRIBROMOPHENOL	10.67	130	J
13.	D10 PYRENE	12.82	1500	J
14.	UNKNOWN	13.05	300	J
15.	TETRAMETHYL PHENANTHRENE	13.15	210	J
16.	UNKNOWN	13.42	130	J
17.	UNKNOWN	13.55	85	J
18.	UNKNOWN	13.62	510	J
19.	UNKNOWN	14.15	170	J
20.	UNKNOWN	15.39	130	J
21.	UNKNOWN	15.52	210	J
22.	UNKNOWN	16.82	210	J
23.	UNKNOWN	17.44	210	J
24.	UNKNOWN	19.00	130	J
25.	UNKNOWN	22.34	170	J

7/8/91 [illegible]

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395049

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095049C13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 6 Date Analyzed: 01/25/91

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.	LAB. ARTIFACT	1.93	13	J
2.	LAB. ARTIFACT	10.07	17	BJ

7/8/? [illegible]

ORIGINAL (Red)

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE07

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395049

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GH095049A08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 6 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/04/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	VOA TCL	5.08	1700	J
2.	ALDOL	5.48	600	AJ
3.	TRIMETHYLBENZENE	5.75	2900	J
4.	ALDOL	5.83	1600	AJ
5.	TRIMETHYLBENZENE	5.98	1300	J
6.	TRIMETHYLBENZENE	6.22	1700	J
7.	UNKNOWN	6.38	1600	J
8.	ETHYLDIMETHYLBENZENE	6.47	920	J
9.	PCB	11.79	6400	J
10.	PCB	11.84	1200	J
11.	PCB	12.00	2500	J
12.	PCB	12.44	12000	J
13.	PCB	12.67	10000	J
14.	PCB	12.70	2300	J
15.	PCB + PYRENE	12.87	3100	J
16.	PCB	12.94	2000	J
17.	PCB	13.04	4200	J
18.	PCB	13.17	1300	J
19.	PCB	13.27	2600	J
20.	PCB	13.32	2300	J
21.	PCB	13.52	1900	J
22.	PCB	13.60	2000	J
23.	PCB	13.85	3200	J
24.	PCB	14.19	810	J

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE08

Lab Name: COMPUCHEM RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395051

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95051B13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 17 Date Analyzed: 01/30/91

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.	LAB. ARTIFACT	9.87	25	J
2.	LAB. ARTIFACT	14.35	8.4	J

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE08

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395051

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095051B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT-CONTAMINANT	4.72	360	BJ
2.	UNKNOWN	4.97	200	J
3.	UNKNOWN	5.13	560	J
4.	UNKNOWN	5.17	120	J
5.	VOA TCL	5.28	480	J
6.	ALDOL	5.45	2000	ABJ
7.	ALDOL	5.55	200	ABJ
8.	ALDOL	5.82	3300	ABJ
9.	UNKNOWN	6.02	160	J
10.	UNKNOWN	6.25	720	J
11.	UNKNOWN	6.37	1800	J
12.	UNKNOWN	6.70	960	J
13.	D10 PYRENE	12.82	1300	J
14.	PCB	13.25	80	J
15.	PCB	13.79	80	J
16.	UNKNOWN	16.39	160	J
17.	BENZO PYRENE	18.19	240	J
18.	UNKNOWN	24.10	360	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395053

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GR095053B13

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 23 Date Analyzed: 01/29/91

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	10.24	31	BJ

mgb 7/31

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE09

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395053

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH095053B08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.67	690	J
2.	ALDOL	5.80	~~1200~~	~~BAJ~~
3.	ALDOL	6.20	1600	~~BAJ~~
4.	UNKNOWN	6.28	1600	J
5.	UNKNOWN	6.40	170	J
6.	UNKNOWN	6.62	390	J
7.	UNKNOWN	6.75	2000	J
8.	UNKNOWN	8.89	260	J
9.	DIMETHYL NAPHTHALENE	9.14	260	J
10.	UNKNOWN	11.57	860	J
11.	UNKNOWN	12.29	520	J
12.	UNKNOWN	12.37	170	J
13.	UNKNOWN	12.44	520	J
14.	11H BENZO FLUORENE	13.27	170	J
15.	BENZO [B] NAPHTHO THIOPHENE	14.24	170	J
16.	UNKNOWN PHTHALATE	14.64	820	J
17.	UNKNOWN HYDROCARBON	15.55	300	J
18.	UNKNOWN	16.89	1200	J
19.	UNKNOWN HYDROCARBON	17.52	1600	J
20.	UNKNOWN PAH	18.24	1300	J
21.	UNKNOWN	20.45	1800	J
22.	UNKNOWN	24.24	4300	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395055

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095055B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 16 Date Analyzed: 01/25/91

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.	TRIMETHYL BICYCLO HEPT-2-ENE	21.10	73	J
2.	UNKNOWN	22.52	7.1	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE10

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395055

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GD095055C08

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/06/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 14

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.35	470	J
2.		ALDOL	5.47	710	ABJ
3.		ALDOL	5.82	710	ABJ
4.		UNKNOWN	6.40	1300	J
5.		DIMETHYLNAPHTHALENE + UNKNOW	9.04	590	J
6.		D10 PYRENE	12.87	1500	J
7.		UNKNOWN	13.20	240	J
8.		UNKNOWN	13.30	350	J
9.		UNKNOWN	13.64	240	J
10.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	14.07	240	JN
		UNKNOWN PHTHALATE	14.67	710	J
		UNKNOWN HYDROCARBON	17.50	470	J
13.		BENZOFLUORANTHENE	18.24	350	J
14.		UNKNOWN	24.14	2900	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395391

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095391B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 20 Date Analyzed: 01/30/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.73	10	J
2.	LAB. ARTIFACT	10.15	31	BJ
3.	LAB. ARTIFACT	14.65	10	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE11

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395391

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH095391A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2213-23-2	HEPTANE, 2,4-DIMETHYL-	4.55	420	JN
2.	UNKNOWN	4.82	420	J
3.	2,3-DIMETHYL-BUTENE	4.87	120	J
4. 691-38-3	2-PENTENE, 4-METHYL-, (Z)-	4.98	1400	JN
5.	UNKNOWN	5.12	370	J
6.	UNKNOWN	5.18	540	J
7.	ALDOL	5.30	2300	J
8.	ALDOL	5.40	370	BAJ
9.	UNKNOWN	5.45	370	BAJ
10.	UNKNOWN	5.63	1300	J
	UNKNOWN	6.20	1300	J
12.	UNKNOWN	11.30	170	J
13. 613-12-7	ANTHRACENE, 2-METHYL-	11.39	120	JN
14. 613-12-7	ANTHRACENE, 2-METHYL-	11.42	83	JN
15. 203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	11.52	330	JN
16.	UNKNOWN	12.37	83	J
17.	11H BENZO FLUORENE	12.82	170	J
18.	11H BENZO FLUORENE	12.90	83	J
19.	SOLVENT CONTAMINANT	13.10	120	BJ
20.	BENZO[B]NAPHTHOTHIOPHENE	13.69	170	J
21.	UNKNOWN PAH	13.77	83	J
22.	UNKNOWN PHTHALATE	14.02	330	J
23.	BENZOFLUORENTHENE	17.25	920	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395394

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95394B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 16 Date Analyzed: 01/31/91

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	9.90	35	BJ
2.	LABORATORY ARTIFACT	14.39	12	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE12

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395394

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GRD95394C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/04/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	5.42	2600	AJ
2.	ALDOL	5.78	2600	AJ
3.	DIMETHYLNAPHTHALENE	8.99	1200	J
4. 132-65-0	DIBENZOTHIOPHENE	10.94	990	JN
5.	METHYL ANTHRACENE	11.62	1400	J
6.	METHYL ANTHRACENE	11.65	1600	J
7.	UNKNOWN PAH	11.77	2800	J
8.	BENZOFLUORENE	13.17	1400	J
9.	BENZO FLUORENE	13.27	1200	J
10.	BENZANTHRACENONE	13.94	1200	J
	BENZONAPHTHOTHIOPHENE	14.12	2400	J
	UNKNOWN PAH	14.17	1600	J
13.	UNKNOWN PAH	14.22	1600	J
14.	UNKNOWN	14.27	990	J
15.	UNKNOWN PAH	14.79	990	J
16.	UNKNOWN	15.02	990	J
17.	UNKNOWN PAH	15.40	2400	J
18.	UNKNOWN	15.92	9700	J
19.	UNKNOWN	16.72	990	J
20.	UNKNOWN PAH	17.47	990	J
21.	UNKNOWN PAH	18.02	2800	J
22.	UNKNOWN PAH	18.50	1200	J

mjs 7/8/91

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395397

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R95397B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 17 Date Analyzed: 01/31/91

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	9.87	36	BJ
2.	LABORATORY ARTIFACT	14.35	14	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE13

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395397

Sample wt/vol: 30.3 (g/mL) G Lab File ID: GJ095397B08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/28/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.70	240	BJ
2.	UNKNOWN	4.95	160	J
3.	VOA TCL	5.27	200	J
4.	ALDOL	5.43	1700	AJ
5.	ALDOL	5.80	1200	AJ
6.	UNKNOWN	6.37	320	J
7.	UNKNOWN	6.42	120	J
8.	UNKNOWN HYDROCARBON	8.03	120	J
9.	UNKNOWN HYDROCARBON	9.22	160	J
10.	UNKNOWN HYDROCARBON	9.77	160	J
[illegible]	D10-PYRENE	12.77	1200	J
[illegible]	UNKNOWN	13.17	360	J
[illegible]	UNKNOWN ESTER HEXANEDIOIC AC	13.52	600	J
14.	UNKNOWN	13.77	320	J
15.	UNKNOWN	14.10	400	J
16.	UNKNOWN PHTHALATE	14.54	320	J
17.	UNKNOWN	14.72	240	J
18.	UNKNOWN	15.69	600	J
19.	PCB	15.75	400	J
20.	PCB	17.04	830	J
21.	PCB + UNKNOWN	17.82	1700	J
22.	UNKNOWN	18.90	870	J
23.	UNKNOWN	20.70	3700	J
24.	UNKNOWN	22.15	1800	J

mjb 7/8/91

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE14

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395398

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095398B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 20 Date Analyzed: 01/29/91

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	10.24	26	BJ

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE14

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395398

Sample wt/vol: 30.9 (g/mL) G Lab File ID: GH095398A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		DIMETHYL-HEPTANE	4.57	360	J
2.		UNKNOWN	4.82	81	J
3.		UNKNOWN	4.98	200	J
4.		ALDOL	5.20	360	AJ
5.		ALDOL	5.30	2200	BAJ
6.		ALDOL	5.40	120	BAJ
7.		ALDOL	5.65	610	BAJ
8.	5363-63-3	PENTANE, 1-(ETHENYLOXY)-	6.10	160	JN
9.		UNKNOWN	6.22	1500	J
10.		D10 PYRENE	12.45	1500	J
11.		SOLVENT CONTAMINANT	13.12	120	BJ
12.		UNKNOWN HYDROCARBON	13.64	81	J
13.		UNKNOWN HYDROCARBON	14.82	120	J
14.		UNKNOWN HYDROCARBON	15.99	690	J
15.		UNKNOWN HYDROCARBON	16.50	810	J
16.		UNKNOWN HYDROCARBON	16.62	1200	J
17.		UNKNOWN HYDROCARBON	18.97	1300	J
18.		UNKNOWN	22.65	360	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095405B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 18 Date Analyzed: 01/29/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN OXYGENATED HYDROCARB	1.73	13	J
2.	UNKNOWN	10.15	27	J
3.	LABORATORY ARTIFACT	14.65	8.5	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE15

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395405

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095405A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/30/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2213-23-2	HEPTANE, 2,4-DIMETHYL-	4.58	400	JN
2.	UNKNWN	4.83	160	J
3. 691-38-3	2-PENTENE, 4-METHYL-, (Z)-	4.98	440	JN
4.	UNKNOWN	5.13	200	J
5.	ALDOL	5.20	640	AJ
6.	ALDOL	5.30	1400	BAJ
7.	UNKNOWN	5.48	160	J
8.	ALDOL	5.67	870	BAJ
9.	ALDOL	5.87	160	AJ
10.	UNKNOWN	6.22	1600	J
11.	D10 PYRENE	12.47	1600	J
12.	11H BENZO FLUORENE	12.84	80	J
13.	SOLVENT CONTAMINANT	13.12	160	BJ
14.	UNKNOWN	15.99	120	J
15.	UNKNOWN	16.65	200	J
16.	PCB	17.02	200	J
17.	BENZO PYRENE	17.27	160	J
18.	UNKNOWN	18.97	400	J
19.	UNKNOWN	19.60	240	J
20.	UNKNOWN	20.90	240	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE17

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395406

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095406B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 16 Date Analyzed: 01/29/91

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	10.22	31	BJ
2.	LABORATORY ARTIFACT	14.72	11	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE17

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395406

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GJ095406A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/26/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DIMETHYL HEPTANE	4.55	310	J
2.	ALDOL	5.18	390	AJ
3.	ALDOL	5.28	1300	BAJ
4.	ALDOL	5.38	120	BAJ
5.	ALDOL	5.63	860	BAJ
6.	SOLVENT CONTAMINANT	5.85	160	AJ
7.	UNKNOWN	6.20	1200	J
8.	D10 PYRENE	12.44	1400	J
9.	SOLVENT CONTAMINANT	13.10	78	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395407

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095407B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 22 Date Analyzed: 01/29/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.72	15	J
2.	LAB. ARTIFACT	10.25	32	J
3.	LAB. ARTIFACT	14.77	10	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE18

Lab Name: COMPUCHEM.RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395407

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095407B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 22 Date Analyzed: 01/29/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.72	15	J
2.	LAB. ARTIFACT	10.25	32	J
3.	LAB. ARTIFACT	14.77	10	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395408

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095408B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 13 Date Analyzed: 01/29/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.73	6.9	J
2.	LAB. ARTIFACT	10.25	30	J
3.	LAB. ARTIFACT	14.79	10	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE19

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE14

Matrix: (soil/water) SOIL Lab Sample ID: 395408

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095408B13

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. 13 Date Analyzed: 01/29/91

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.73	6.9	J
2.	LAB. ARTIFACT	10.25	30	J
3.	LAB. ARTIFACT	14.79	10	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395057

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095057B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 31 Date Analyzed: 01/25/91

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 HYDROCARBON	21.10	8.7	J

ORIGINAL (Red)

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE20

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395057

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GH095057B15

Level: (low/med) LOW Date Received: 01/24/91

Moisture: 31 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	4.62	1700	J
2. 3178-29-8	HEPTANE, 4-PROPYL-	4.68	1700	JN
3.	UNKNOWN	4.87	570	J
4.	UNKNOWN	4.98	1100	J
5.	VOA TCL	5.13	660	J
6.	UNKNOWN	5.18	3100	J
7.	ALDOL	5.28	6600	J
8.	ALDOL	5.37	570	J
9	UNKNOWN	5.42	760	J
10.	ALDOL	5.58	4200	J
11.	UNKNOWN	5.78	1700	J
12.	UNKNOWN	6.02	710	J
13.	UNKNOWN	6.13	15000	J
14.	UNKNOWN	6.98	1700	J
15.	UNKNOWN	7.75	520	J
16.	UNKNOWN	10.84	1700	J
17.	PCB	11.67	940	J
18.	UNKNOWN HYDROCARBON	12.35	940	J
19.	PCB	12.45	800	J
20.	PCB	12.72	610	J
21.	PCB	12.87	850	J
22.	PCB	13.05	760	J
23.	PCB	13.22	470	J
24.	PCB	13.55	1800	J
25.	UNKNOWN PAH	13.62	1000	J

mjb 7/5/91

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE22

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395515

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095515B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

GC Column: DB-624 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.

CFE24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395059

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH095059B54

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. 36 Date Analyzed: 01/25/91

GC Column: DB-624 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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE24

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 395059

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GH095059B15

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: 36 decanted: (Y/N) N Date Extracted: 01/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SOLVENT CONTAMINANT	8.62	1700	BJ
2. 3178-29-8	HEPTANE, 4-PROPYL-	8.74	1700	JN
3.	UNKNOWN	9.07	200	J
4.	UNKNOWN	9.29	460	J
5.	VOA TCL + UNKNOWN	9.59	920	J
6.	UNKNOWN	9.67	4800	J
7.	ALDOL	9.85	5600	BAJ
8.	ALDOL	10.00	460	AJ
9.	UNKNOWN	10.10	260	J
10.	ALDOL	10.42	4500	BAJ
11.	UNKNOWN KETONE	10.79	1700	J
12.	UNKNOWN	10.94	100	J
13.	UNKNOWN	11.22	1100	J
14.	UNKNOWN	11.45	14000	J
15.	UNKNOWN	12.80	150	J
16.	UNKNOWN	13.00	1200	J
17.	UNKNOWN	13.57	460	J
18.	UNKNOWN	14.24	260	J
19.	UNKNOWN	14.42	410	J
20.	BLANK CONTAMINANT	20.15	150	BJ
21.	UNKNOWN PAH	20.49	200	J
22.	UNKNOWN HYDROCARBON	21.30	100	J
23.	D10 PYRENE	22.50	1800	J
24.	UNKNOWN HYDROCARBON	22.95	310	J
25.	UNKNOWN HYDROCARBON	24.90	360	J
26.	UNKNOWN HYDROCARBON	27.56	460	J
27.	UNKNOWN HYDROCARBON	31.57	1400	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394773

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094773C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

GC Column: DB-624 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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE25

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394773

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094773A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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.	D10-PYRENE	12.09	42	J
2.	UNKNOWN	12.59	2.0	J
3.	UNKNOWN	12.79	3.0	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394780

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094780C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

GC Column: DB-624 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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE26

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394780

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094780A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	7.55	3.0	J
2.	D10 PYRENE	12.12	36	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE27

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394781

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094781C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

GC Column: DB-624 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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE27

b Name: COMPUCHEM,RTP Contract: 68D00159

b Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

trix: (soil/water) WATER Lab Sample ID: 394781

mple wt/vol: 1000 (g/mL) ML Lab File ID: GH094781A15

vel: (low/med) LOW Date Received: 01/23/91

Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

jection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

π : TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	D10 PYRENE	12.07	12	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394782

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094782C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-99-9	FURAN, TETRAHYDRO-	8.99	46	JN

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE28

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394782

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094782A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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. 60-32-2	HEXANOIC ACID, 6-AMINO-	7.57	400	JN
2.	D10 PYRENE	12.07	41	J
3.	UNKNOWN	12.47	6.0	J
4.	UNKNOWN	12.55	40	J
5.	UNKNOWN	12.64	11	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394783

Sample wt/vol: 2.5 (g/mL) ML Lab File ID: CN094783C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 354-23-4	ETHANE, 1,2-DICHLORO-1,1,2-T	4.43	18	JN

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE29

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394783

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094783A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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. 60-32-2	HEXANOIC ACID, 6-AMINO-	7.53	64	JN
2.	D10-PYRENE	12.07	40	J
3.	UNKNOWN	12.54	9.0	J
4.	UNKNOWN	12.60	4.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395516

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095516B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	20.52	11	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE30

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395516

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095516A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	TETRAMETHYLBENZENE	6.78	2.0	J
2.	UNKNOWN SUBSTITUTED BENZENE	7.02	5.0	J
3.	UNKNOWN	7.20	4.0	J
4.	UNKNOWN	7.63	5.0	J
5.	UNKNOWN	8.07	7.0	J
6.	UNKNOWN	8.13	8.0	J
7.	UNKNOWN	8.22	10	J
8.	DIMETHYLBENZOIC ACID & UNKNO	8.32	8.0	J
9.	UNKNOWN	8.74	5.0	J
10.	UNKNOWN	8.80	15	J
11.	UNKNOWN	8.85	11	J
12.	TRIMETHYLBENZOIC ACID & UNKN	9.02	6.0	J
13.	UNKNOWN	9.37	3.0	J
14.	DIMETHYLBENZOIC ACID,METHYLE	9.47	5.0	J
15.	UNKNOWN	9.82	7.0	J
16.	UNKNOWN	10.55	3.0	J
17.	UNKNOWN	10.75	9.0	J
18.	UNKNOWN	11.34	5.0	J
19.	D10-PYRENE	12.45	38	J
20.	UNKNOWN	13.07	3.0	J
21. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	13.12	5.0	JN

7/8/91

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394784

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR094784C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

GC Column: DB-624 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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE31

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) WATER Lab Sample ID: 394784

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR094784A07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/30/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/91

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.	D10-PYRENE	12.40	37	J
2.	BLANK CONTAMINANT	13.07	4.0	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE32

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394804

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094804C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

GC Column: DB-624 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)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE33

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394785

Sample wt/vol: 1.5 (g/mL) ML Lab File ID: CR094785C53

Level: (low/med) LOW Date Received: 01/23/90

% Moisture: not dec. ____ Date Analyzed: 01/25/91

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.00

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE33

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394785

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094785A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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.	METHYLCYCLOPENTANOL	4.88	10	J
2.	METHYLCYCLOPENTANONE	4.98	45	J
3.	UNKNOWN CARBOXYLIC ACID	7.37	2.0	J
4.	D10 PYRENE	12.10	45	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE34

Lab Name: COMPUCHEM,RTP Contract: 68D00139

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094786C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.67	10	J
2.	TETRAMETHYLBUTANE	10.40	71	J
3.	DIMETHYLHEXANE	12.80	18	J
4.	DIMETHYLHEXANE	13.02	8.0	J
5.	UNKNOWN CYCLICHYDROCARBON	20.10	6.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE34RE

L b Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

M trix: (soil/water) WATER Lab Sample ID: 394786

S mple wt/vol: 1.8 (g/mL) ML Lab File ID: C2R94786A53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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

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

umber TICs found: 0

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

S NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE34

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394786

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094786A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.88	4.0	J
2.	METHYLCYCLOPENTANONE	4.98	20	J
3.	DIMETHYL HEPTADECANE	7.45	3.0	J
4.	TRIMETHYL DECANE	8.05	4.0	J
5.	UNKNOWN	8.27	3.0	J
6.	TETRAMETHYLHEPTADECANE	8.49	8.0	J
7.	DIMETHYLHEPTADECANE	8.69	4.0	J
8.	UNKNOWN HYDROCARBON	9.19	6.0	J
9.	UNKNOWN HYDROCARBON	9.40	10	J
10.	UNKNOWN HYDROCARBON	10.12	7.0	J
11.	UNKNOWN HYDROCARBON	10.15	10	J
12.	UNKNOWN HYDROCARBON	10.52	5.0	J
13.	UNKNOWN HYDROCARBON	10.57	9.0	J
14.	UNKNOWN HYDROCARBON	11.02	6.0	J
15.	UNKNOWN	11.32	3.0	J
16.	UNKNOWN HYDROCARBON	11.45	4.0	J
17.	UNKNOWN HYDROCARBON	11.89	4.0	J
18.	D10 PYRENE	12.09	39	J
19.	UNKNOWN HYDROCARBON	12.34	5.0	J
20.	UNKNOWN	12.82	6.0	J
21.	UNKNOWN	13.39	4.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE35

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394787

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094787C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

GC Column: DB-624 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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE35

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394787

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094787A15

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/27/91

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	5.07	8.0	J
2.	FURAN CARBOXYLIC ACID	6.13	15	J
3.	UNKNOWN	6.22	39	J
4.	UNKNOWN	6.27	2.0	J
5. 1863-63-4	BENZOIC ACID, AMMONIUM SALT	6.87	58	JN
6.	METHYLETHYLPHENOL + UNKNOWN	7.22	12	J
7.	TRICHLOROBENZENE	7.30	13	J
8.	METHYL BENZOIC ACID	7.48	3.0	J
9.	HYDROXY BENZOIC ACID	7.62	7.0	J
10.	UNKNOWN	7.68	8.0	J
11.	ISOBENZOFURANDIONE	7.88	10	J
12.	TETRACHLOROBENZENE	8.30	5.0	J
13.	HYDROXYMETHOXYPHENYLPHENYLME	11.44	17	J
14.	DIHYDROXYPHENYLPHENYLMETHANO	11.77	11	J
15.	UNKNOWN	12.02	12	J
16.	D10 PYRENE	12.09	32	J
17.	UNKNOWN	12.75	7.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE36

L b Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

M trix: (soil/water) WATER Lab Sample ID: 394788

S mple wt/vol: 5.0 (g/mL) ML Lab File ID: CN094788C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/24/91

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

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

umber TICs found: 0

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

S NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE36

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394788

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH094788C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/28/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	8.82	4.0	J
2.	UNKNOWN HYDROCARBON	9.04	3.0	J
3.	UNKNOWN HYDROCARBON	9.82	4.0	J
4.	UNKNOWN HYDROCARBON	10.10	12	J
5.	UNKNOWN HYDROCARBON	10.57	4.0	J
6.	UNKNOWN HYDROCARBON	10.60	4.0	J
7.	UNKNOWN HYDROCARBON	11.04	3.0	J
8. 131-57-7	METHANONE, (2-HYDROXY-4-METH	11.85	3.0	JN
9.	D10-PYRENE	12.42	33	J
10.	BLANK CONTAMINANT	13.09	3.0	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE37

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394789

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN094789C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/25/91

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

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	METHYLPROPANE	2.52	52	J
2.	METHYLPROPANE	2.73	120	J
3.	UNKNOWN	3.60	18	J
4.	METHOXYMETHYLPROPANE	6.42	43	J
5.	DIMETHYLPENTANE	8.10	19	J
6.	DIMETHYLPENTANE	9.69	71	J
7.	TRIMETHYLBUTANE	10.42	130	J
8.	DIMETHYLHEXANE	12.82	55	J
9.	UNKNOWN HYDROCARBON	13.07	39	J
10.	UNKNOWN HYDROCARBON	21.44	11	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL

EPA SAMPLE NO.

CFE37

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 394789

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ094789C07

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/24/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/29/91

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	7.70	6.0	J
2.	UNKNOWN HYDROCARBON	7.88	10	J
3.	UNKNOWN HYDROCARBON	8.35	7.0	J
4.	UNKNOWN HYDROCARBON	8.49	7.0	J
5.	UNKNOWN	8.54	7.0	J
6.	SILOXANE	8.75	8.0	J
7.	UNKNOWN HYDROCARBON	8.84	15	J
8.	UNKNOWN	9.05	14	J
9.	UNKNOWN	9.34	8.0	J
10.	UNKNOWN HYDROCARBON	9.84	14	J
11.	UNKNOWN HYDROCARBON	10.14	43	J
12.	UNKNOWN HYDROCARBON	10.60	20	J
13.	UNKNOWN HYDROCARBON	10.64	14	J
14.	UNKNOWN	11.02	9.0	J
15.	UNKNOWN	11.07	15	J
16.	UNKNOWN HYDROCARBON	11.50	10	J
17.	UNKNOWN HYDROCARBON	11.92	6.0	J
18.	UNKNOWN	12.27	6.0	J
19.	D10 PYRENE	12.45	31	J
20.	SILOXANE	12.72	11	J
21.	UNKNOWN	13.10	18	J

7/8/91

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE38

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394813

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094813C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 17 Date Analyzed: 01/24/91

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.	LAB. ARTIFACT	10.05	17	BJ

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE38

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394813

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GD094813B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 17 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL	5.45	1900	BAJ
2.	ALDOL	5.55	240	BAJ
3.	ALDOL	5.80	1100	BAJ
4.	UNKNOWN	6.00	240	J
5.	UNKNOWN	6.35	2400	J
6.	TETRAMETHYL BENZENE	6.93	360	J
7.	DIETHYLMETHYLBENZENE	7.18	240	J
8. 2719-62-2	BENZENE, (1-PENTYLHEPTYL)-	10.49	360	JN
9.	D10 PYRENE	12.82	1200	J
10.	UNKNOWN	16.87	590	J

ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CFE39

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394814

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH094814C13

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 40 Date Analyzed: 01/24/91

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.	UNKNOWN HYDROCARBON	5.73	17	J
2.	LAB. ARTIFACT	10.05	27	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE39

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394814

Sample wt/vol: 30.1 (g/mL) G Lab File ID: GD094814B08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 40 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/05/91

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 23

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL	5.50	4700	BAJ
2.		ALDOL	5.87	2000	BAJ
3.		UNKNOWN	6.48	3800	J
4.	629-59-4	TETRADECANE	8.72	1800	JN
5.		UNKNOWN	8.79	2000	J
6.	18344-37-1	HEPTADECANE, 2,6,10,14-TETRA	9.05	3000	JN
7.	62108-21-8	DECANE, 6-ETHYL-2-METHYL-	9.27	3200	JN
8.		UNKNOWN AROMATIC	9.52	1700	J
9.		UNKNOWN	10.04	6800	J
10.	4536-86-1	BENZENE, (1-PROPYLOCTYL)-	10.10	2000	JN
11.	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	10.34	22000	JN
12.	2719-62-2	BENZENE, (1-PENTYLHEPTYL)-	10.50	10000	JN
13.	2719-64-4	BENZENE, (1-PROPYLNONYL)-	10.60	3000	JN
14.	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	10.82	5000	JN
15.	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	10.85	5000	JN
16.		UNKNOWN HYDROCARBON	11.24	3300	J
17.		UNKNOWN HYDROCARBON	11.30	4800	J
18.		UNKNOWN HYDROCARBON	11.77	2300	J
19.		UNKNOWN HYDROCARBON	12.24	2500	J
20.		UNKNOWN HYDROCARBON	12.70	2300	J
21.		D10 PYRENE	12.84	4300	J
22.		UNKNOWN HYDROCARBON	13.17	2500	J
23.		UNKNOWN HYDROCARBON	14.19	5000	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE40

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394815

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G3R94815A54

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 52 Date Analyzed: 01/28/91

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.	UNKNOWN	10.85	10	J
2. 594-82-1	BUTANE,2,2,3,3-TETRAMETHYL	11.65	19	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE40

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394815

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GD094815C08

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: 52 decanted: (Y/N) N Date Extracted: 01/24/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/11/91

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	TETRACHLOROBENZENE	8.72	28000	J
2. 608-93-5	BENZENE, PENTACHLORO-	9.55	14000	JN
3.	UNKNOWN HYDROCARBON	10.29	13000	J
4.	PCB	12.32	11000	J
5.	PCB	12.54	11000	J
6.	PCB	13.00	12000	J
7.	PCB	13.14	29000	J
8. 5466-77-3	2-PROPENOIC ACID, 3-(4-METHO	13.27	12000	JN
9.	PCB	13.39	30000	J
10.	PCB	13.54	16000	J
11.	PCB	13.70	29000	J
12.	PCB	13.87	17000	J
13.	PCB	13.94	26000	J
14.	PCB	14.19	48000	J
15.	PCB	14.25	28000	J
16.	PCB	14.34	21000	J
17.	PCB	15.04	48000	J
18.	PCB	15.12	20000	J
19.	PCB	15.22	23000	J
20.	PCB	16.19	23000	J

mjp 7/5/

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE41

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394816

Sample wt/vol: 4.0 (g/mL) G Lab File ID: C2R94816C53

Level: (low/med) MED Date Received: 01/23/91

% Moisture: not dec. 44 Date Analyzed: 01/25/91

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.62	16000	J
2.		TETRAMETHYLBUTANE	10.35	65000	J
3.		UNKNOWN	12.75	29000	J
4.		UNKNOWN HYDROCARBON	13.00	19000	J
5.		UNKNOWN HYDROCARBON	18.94	4000	J
6.		UNKNOWN	19.15	3800	J
7.		UNKNOWN HYDROCARBON	19.25	4000	J
8.		UNKNOWN HYDROCARBON	19.85	9400	J
9.		UNKNOWN CYCLIC HYDROCARBON	20.09	8300	J
10.		UNKNOWN HYDROCARBON	21.39	10000	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE42

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE01

Matrix: (soil/water) SOIL Lab Sample ID: 394817

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G2R94817C54

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. 44 Date Analyzed: 01/30/91

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

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.90	20	BJ
2.	DIMETHYL PENTANE	10.85	18	J
3.	TETRAMETHYL BUTANE	11.65	51	J
4.	UNKNOWN HYDROCARBON	14.25	25	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395517

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095517B53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DICHLOROTRIFLUOROETHANE	4.45	15	J
2.	LABORATORY ARTIFACT	4.90	80	J

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE43

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395517

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GR095517C08

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/06/91

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	7.93	17	J
~~2.~~	~~D10-PYRENE~~	~~12.89~~	~~25~~	~~J~~
3.	UNKNOWN	13.35	4.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395518

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095518C53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/29/91

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	20.52	13	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE44

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395518

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095518A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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. 60-32-2	HEXANOIC ACID, 6-AMINO-	7.73	78	JN
2.	D10-PYRENE	12.40	41	J
3.	UNKNOWN	12.95	14	J
4.	UNKNOWN	13.02	4.0	J
5. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	13.07	4.0	JN
6. 85-60-9	PHENOL, 4,4'-BUTYLIDENEBIS[2	14.80	5.0	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE45

ab Name: COMPUCHEM,RTP Contract: 68D00159

a Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

atrix: (soil/water) WATER Lab Sample ID: 395519

ample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095519C53

e el: (low/med) LOW Date Received: 01/25/91

Moisture: not dec. ____ Date Analyzed: 01/29/91

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

oil 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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE45

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395519

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095519A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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.	D10-PYRENE	12.40	41	J
2. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	13.07	2.0	JN

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395520

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095520C53

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: not dec. ____ Date Analyzed: 01/29/91

GC Column: DB-624 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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE46

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395520

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095520A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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.	D10-PYRENE	12.42	39	J
2.	UNNKNOWN	12.89	8.0	J
3. 4337-65-9	HEXANEDIOIC ACID, MONO(2-ETH	13.09	3.0	JN

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395916

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095916C53

Level: (low/med) LOW Date Received: 01/23/91

% Moisture: not dec. ____ Date Analyzed: 01/30/91

GC Column: DB-624 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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE47

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395916

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH095916A07

Level: (low/med) LOW Date Received: 01/25/91

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/29/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/31/91

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	7.57	2.0	J
2.	UNKNOWN	7.92	10	J
3.	D10-PYRENE	12.44	6.0	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL (Red)

EPA SAMPLE NO.

CFE48

Lab Name: COMPUCHEM,RTP Contract: 68D00159

Lab Code: COMPU Case No.: 15742 SAS No.: _____ SDG No.: CFE25

Matrix: (soil/water) WATER Lab Sample ID: 395255

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN095255A53

Level: (low/med) LOW Date Received: 01/24/91

% Moisture: not dec. ____ Date Analyzed: 01/28/91

GC Column: DB-624 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

APPENDIX C

ORIGINAL
(Red)

to determine the # of people each bldg

Supplement to Logbook 2382
FMC Marcus Hook
9012-14

ORIGINAL (Red)

MARCUS HOOK BUSINESS & COMMERCE CENTER

TENANTS AS OF 11/8/90

BUILDING #1

FIRST FLOOR

ABBOTT'S - 2 people
MINI MAID 1 office
JESSIE LEE'S LAB. 1 person
NEILSON COPIER 3 people
INSPECTORATE 5 people
TOWNSEND SALES 4 people
DELA. VALLEY DENTAL 2 people
MARCUS HOOK COMMUNITY DEVEL. CORP. - ED CORSE 2 people
~~AGAPE DAY CARE~~
RECYCLING SCIENCES INTERNATIONAL (ALSO HAVE LOT 13 & 14)

SECOND FLOOR

NIELSEN-KELLERMAN - 9 people
C&M PHOTOGRAPHY 2 people
~~SURFACE PHYSICS~~ standby

BUILDING #2

FIRST FLOOR

MARCUS HOOK CORPORATION - 1 person
MELMISTA TRANSPORTATION CO. 2 people
~~PENNWAY MANUFACTURING~~
BETZ PROCESS CHEMICALS 4 people
VISUAL SOLUTIONS 2 people
FORD INDUSTRIAL SERVICES 2 people

SECOND FLOOR

~~MACHINERY WHOLESALERS~~

THIRD FLOOR

FLOORS & FIREPROOFING

BUILDING #4 - GARAGES

FORD INDUSTRIAL SERVICES - 2 people

BUILDING #6

WIDGER GROUP - 4 people
BP OIL
3 B'S FLOORING 5 people 3 full time
BETZ PROCESS CHEMICALS - CLOSET FOR STORAGE
ICH CHEMICAL - 1 people
CHRISTOPHER CHOCOLATES - 3 people
GRAPHIC IMPRESSIONS 1 person
~~UNITED ENGINEERS~~ - TERM. AS OF 11/30/90
AMERICAN FLEX. HOSE 3 people
KEENER DESIGN 1 person
commercial - WELL HUNG WINDOWS 2 people
SPRINGFIELD GLASS - 4 people
PHOENIX WATER - 3 people
FLOORS & FIREPROOFING - 6 people
CRITERION COATING - 10 people
DUSTY RHOADS - 6 people
PENNWAY MANUFACTURING - 5-6 people
INSPECTORATE LAB - 1 person

ORIGINAL
(Red)

APPENDIX D

9012-14-41

DRAFT - FOR DISCUSSION PURPOSES ONLY

ORIGINAL (Red)

1.0 Introduction

This report has been prepared to summarize the results of the removal assessment sampling and analysis testing performed in November and December of 1990 at the East 10th Street Site, Marcus Hook, PA (site). This assessment was executed under authority of the Comprehensive Environmental Response, Compensation and Liabilities Act (CERCLA) Section 104 (a) by the United States Environmental Protection Agency, Region III - Emergency Response Branch (USEPA).

This report includes the data necessary to complete and support the determination for the appropriate extent of action to be taken at the site; and, the additional data necessary to determine the appropriate action(s) which may be required "to abate, minimize, stabilize, mitigate or eliminate the release or threat of release, or the threat resulting from that release or threat of release" as set forth in 40 CFR Part 300.65.

2.0 Background

The site is located on approximately 33 acres at the 201 E. 10th Street office complex in Marcus Hook, Pennsylvania. The site was formerly occupied by FMC Corporation and has been referenced in previous reports as the FMC property. According to a

ORIGINAL (Red)

Roy F. Weston, Inc. Environmental Assessment performed in October, 1990:

> "The FMC property was purchased and developed by American Viscose Corporation, between 1900 and 1910. American Viscose operated a rayon plant on the property. Although the fundamental construction at the site was completed by 1910, American Viscose continued to add and restructure buildings. Documents provided by PADER state that the manufacture of cellophane replaced rayon in 1958 and continued until 1963..... at which time the plant was sold to FMC Corporation which maintained the site as a cellophane manufacturing factory.
>
> In 1975 FMC stopped operations and put the property up for sale. The site was purchased in 1978 by a Pittsburgh group for the primary purpose of salvaging the existing equipment. Under this ownership many of the buildings were demolished and parcels of the property were sold. The site subsequently changed ownership and was renamed Marcus Hook Development Park, Inc. Of the properties in question, ... the first floor of the R & D Building (Building 1)... is leased by the Marcus Hood Community Development Corporation. This group operates a community center which includes various community service and business tenants."

The USEPA initiated Preliminary Assessment activities at the site in November, 1990 to determine if (A) any hazardous substance is released or there is a substantial threat of release into the environment, or (B) there is a release or substantial threat of release into the environment of any pollutant or contaminant which may present an imminent and substantial danger to the public health or welfare.

The USEPA identified several factors integral to conditions at the site which contributed to the initiation of a removal assessment:

(1) the proximity of the children's day care center, the senior citizen's activity center, the boy scout troop hall, several active offices and the

ORIGINAL (Red)

restaurant (within Building 1 on the northwest side of the Site) to the potential hazardous substances;

(2) the proximity of an active elementary school directly adjacent to the west side of the site, with evidence of paths and access points into the site from the school playground; and, "forts", graffiti and other children's structures within the lots and buildings at the site;

(3) the on-going demolition and reconstruction activities being executed at the site for development of the lots into marketable properties.

3.0 Site Activities

The following key personnel were tasked with the execution of the removal assessment activities at the site:

Mr. Robert Caron	USEPA Region III On Scene Coordinator
Mr. Douglas Fox	USEPA Region III On Scene Coordinator
Mr. William Steuteville	USEPA Region III On Scene Coordinator
Mr. David O'Brien	USEPA Region III Air Q.A. Coordinator
Dr. Dushante Gulati	EHRT ERCS Response Manager (Preliminary Assessment)
Mr. Richard Ebel	EHRT ERCS Response Manager (Removal Assessment)

Table 3.1 presents a chronological list of the removal assessment activities implemented at the site.

4.0 Preliminary Assessment

ORIGINAL (Red)

Table 3.1

Chronological Activity Log
East 10th Street Site; Marcus Hook, PA.
Removal Assessment

Date	Activity
November 7 - November 14, 1990	* Asbestos Preliminary Assessments, Buildings 01, 6A, 6B; * PCB Assessments, Building 3, Lots 23 and 13; * 24 hour Security at Penn Avenue.
November 15 - November 21, 1990	* Sampling and Analysis Plan for Removal Assessment Approved; * Health and Safety Plan for Removal Assessment Approved; * Environmental Sampling Begins; * Asbestos Sampling Continues; * 24 hour Security at Penn Avenue.
November 26 - December 3, 1990	* Gas Cylinder Evaluations; * Asbestos Sampling Completed; * Environmental Sampling Continues; * "Tunnel" Assessment Begins; * Process Equipment Survey Completed; * 24 Hour Security at Penn Avenue.
December 4 - December 7, 1990	* Environmental Sampling Completed; * "Tunnel" Assessment Completed; * Test Pit Sampling and Assessment Completed; * Gas Cylinder Storage in Building 17; * "UST" Assessment Completed; * "NPDES"/Manhole Survey Completed; * Site Demobilization; * 24 hour Security at Penn Avenue.
December 8, 1990 - January 7, 1991	* Removal Assessment Report, Generation and Submission; * 24 Hour Security at Penn Avenue.

The Preliminary Assessment (PA) was conducted from November 7 through November 14, 1990. The results of the PA indicated that asbestos and lead paint hazards were potentially found in Building 1, while polychlorinated biphenyl (PCB) hazards were suspected in Building 17, Building 3, Building 6B, Lot 23 and Lot 13. Subsequent analytical results received during the Removal Assessment (RA) phase confirmed the presence of these hazards at the referenced locations. Additional suspected hazards identified during the PA included abandoned gas cylinders (unknown) in Lot 14; lead, solvent, asbestos, carbon disulfide, and PCB hazards in Lot 15 and areas around Building 17; asbestos in Building 6A; and, abandoned and/or unknown containers throughout the site. These areas were targeted for sampling and analysis during the RA activities.

5.0 Health and Safety

A health and safety plan was developed at the site, according to USEPA and EHRT procedures, prior to initiation of the RA activities. The site-specific plan, termed the "Safety, Health and Emergency Response Plan" (SHERP), is presented in Appendix I.

This plan was a working document for all RA activities and was updated throughout the project to incorporate new information and procedures, as needed. Specifically,

ORIGINAL (Red)

the SHERP was amended to include confined space entry procedures into the tunnels at the site during execution of the RA. All site personnel and visitors who were potentially involved in intrusive activities were required to read the SHERP and sign the Plan documentation log sheet for the project. The project log sheet is included in Appendix I.

6.0 Sampling and Analysis Plan

The Sampling and Analysis Plan was developed to provide guidance for the environmental sampling activities during the RA process

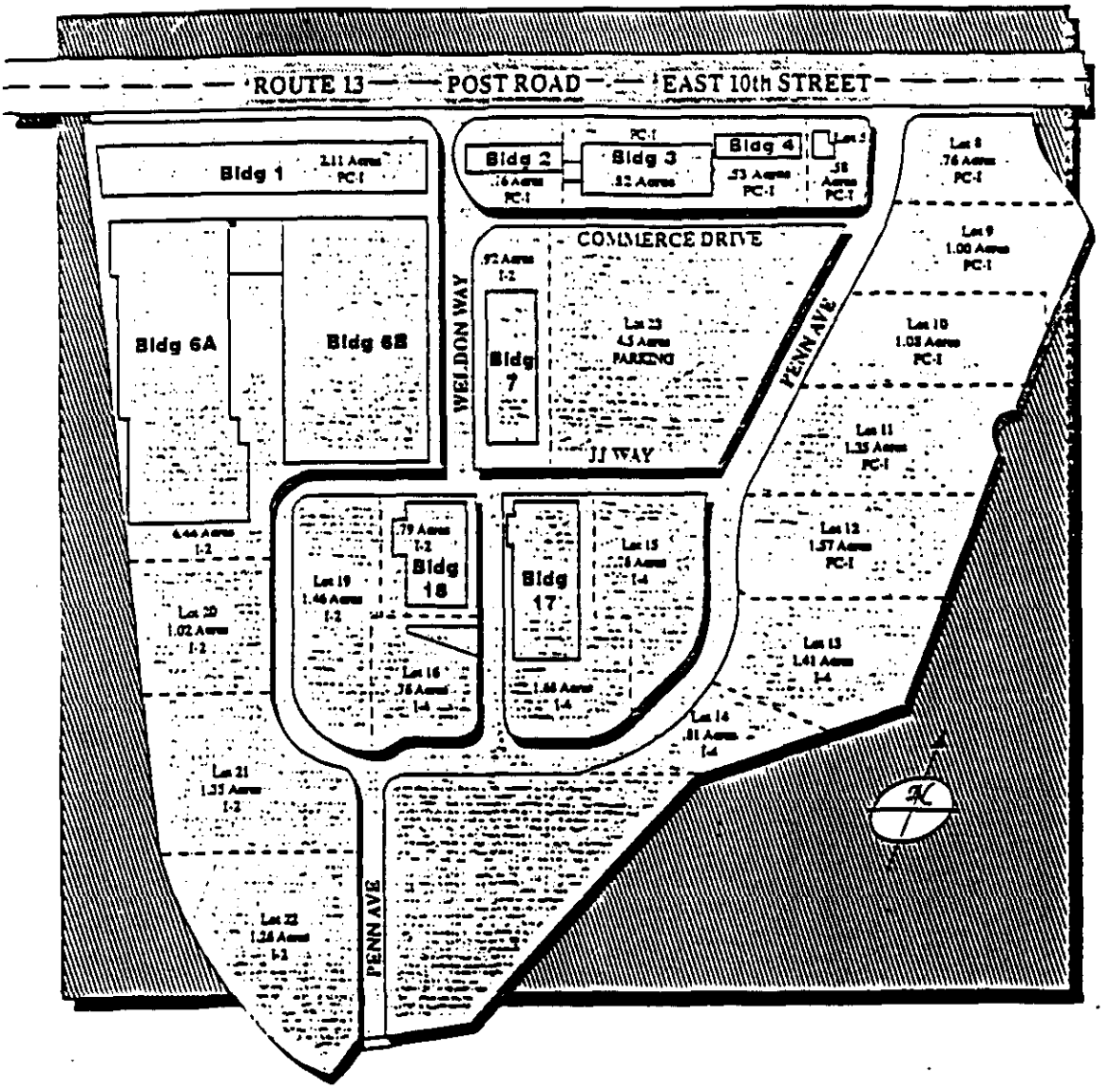
- Sample Location and Identification

  The environmental sampling was delineated by the property lot and building numbers developed by the Site Plan, Marcus Hood Business & Commerce Center, 201 E. 10th Street, Marcus Hook, PA 19061. These references have been utilized throughout this report to specify sampling and analyses result locations. Figure 6.1 illustrates the general Site Plan designations for all sampling and analysis points by location reference areas.

  EHRT utilized an alphanumeric sample numbering system. The environmental samples used the "MH" prefix for site identification (MH =

FIGURE 6.1

ORIGINAL (Red)



EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER: KAE	PREPARED FOR: USEPA REGION III
TITLE: SITE PLAN FOR SAMPLING AREAS	

Marcus Hook). A third letter was added to the prefix at the discretion of the field chemist to clarify the sample source. For example, the "MHF" designated special analysis samples while "MHC" represented confined-space entry sources. These codes were for EHRT internal use and are not presented in their entirety for this report. The sample number's second and third series represents the date of sampling and an individual consecutive number, respectively. For example "MHF-120490-105" indicates that the sample was taken on December 4, 1990 and was the 105th environmental sample extracted at the site. Additional sample designations were given to the asbestos sample trains under the independent direction of the USEPA Air QA Coordinator. These samples were taken by the EHRT Industrial Hygienist or his designee. The asbestos sample series were given sample numbers and analytical reports using dates, daily sequences and/or laboratory numbers. Each sample number in the asbestos series is therefore independent of the RA environmental sample numbering scheme.

- Sample Rationale

The analytical rationale during the PA phase (November 7 - November 14, 1990) was targeted to the specific PA potential site hazards: asbestos and PCB's. The environmental sampling performed during the RA phase (November 15 - December 7, 1990) utilized a removal assessment rationale

focusing on Toxicity Characteristic analyses (40 CFR Part 261) with additional total weight analysis performed for PCB's, volatile organic compounds, semi-volatile compounds, carbon disulfide, hydrogen sulfide and tetra hydrofuran, where appropriate. Additional RCRA Characteristic (D001-D003) analyses and field hazcat tests were performed on the unknown drummed aqueous wastes and on the standing waters found during trenching activities or tunnel explorations.

- Sample Quality Control Duplicates

EHRT utilized a duplicate analyses protocol for environmental sample quality control (QC) testing. The sample matrix delineations with field and QC sample totals are presented in Table 6.1.

The asbestos samples had over 10% (4/22) of the air samples tested by Transmission Electron Microscopy (TEM) analyses for quality control testing.

- Sample Collection and Shipment

The environmental samples were collected using USEPA SW-846 methods. All environmental samples were extracted using one-time only disposable equipment; therefore, rinsate blanks were not developed or tested. The environmental samples were shipped via overnight courier to four laboratories,

ORIGINAL (Red)

TABLE 6.1

MATRIX	No of Field Samples	No of Q.C. Samples
CONTAINERS	38	3
SOIL / SOLID WASTE	49	2
AIR	15	4

dependent upon the lowest cost and the most applicable turnaround time (eg. within seven days) available. The environmental matrices sampled at the site were considered high-concentration samples; therefore, sample cooling was not required. The asbestos samples were taken by NIOSH/OSHA methods and hand delivered to the laboratory. Each sample shipment was accompanied by chain-of-custody documentation. Additionally, Representative Sample Documents were generated for each sample or sampling series. Appendix II contains the sampling documentation generated during PA/RA activities by EHRT.

- Laboratory Analytical Methods

The following laboratories were used for analytical services during PA/RA activities:

* AET Laboratories - Philadelphia, PA : Asbestos Air and Bulk Testing
* General Electric - Denver, CO : PCB Testing
* IT Corporation - Houston, TX : Lead/Paint Chip Testing
* ENCO Laboratories - Orlando, FL : Environmental Testing

Table 6.2 presents the analytical methods used for the analyses at the site.

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Table 6.2

Analytical Methods Summary

E. 10th Street Site; Marcus Hook, PA

Removal Assessment

ORIGINAL (Red)

TABLE 6.2

ANALYTICAL METHODS

Environmental Conservation Laboratories

Analysis / Parameter	Method
Polychlorinated Biphenyls	Method 8080
Extraction for PCB	Method 350, 3580
TCLP Extraction	Method 1311
TCLP Metals	
Arsenic	Method 3030E/7060
Barium	Method 3030E/7080
Cadmium	Method 3030E/7130
Chromium	Method 3030E/7190
Lead	Method 3030E/7420
Mercury	Method 3030E/7470
Selenium	Method 3030E/7740
Silver	Method 3030E/7760
TCLP Volatile Organics	Method 8240
TCLP Semi-Volatile Organics	Method 8270
TCLP Herbicides	Method 8150
TCLP Pesticides	Method 8080
Carbon Disulphide/Tetrahydrofuran, BTEX	Method 8015/8020
Volatiles Organics GC/MS	Method 624
Base/Neutral Extractables	Method 625
Acid Extractables	Method 625

ORIGINAL (Red)

General Electric

Polychlorinated Biphenyls	Method 8080
Extraction for PCB	
Water	Method 3510
Soils	Method 3550
Saw dust	Method 3540
Oil	Method ASTM D4059

Accredited Environmental Technologies

Phase Contrast Microscopy	NIOSH Method 7400 with "A" counting Rules
Polarized Light Microscopy	EPA-600/M4-82-020
Transmission Electron Microscopy	AHERA Analysis (40 CFR Part 763, Subpart A through Subpart E

ORIGINAL (Red)

7.0 Site Conditions

EHRT evaluated the site conditions as they existed between November 7, 1990 and December 7, 1990.

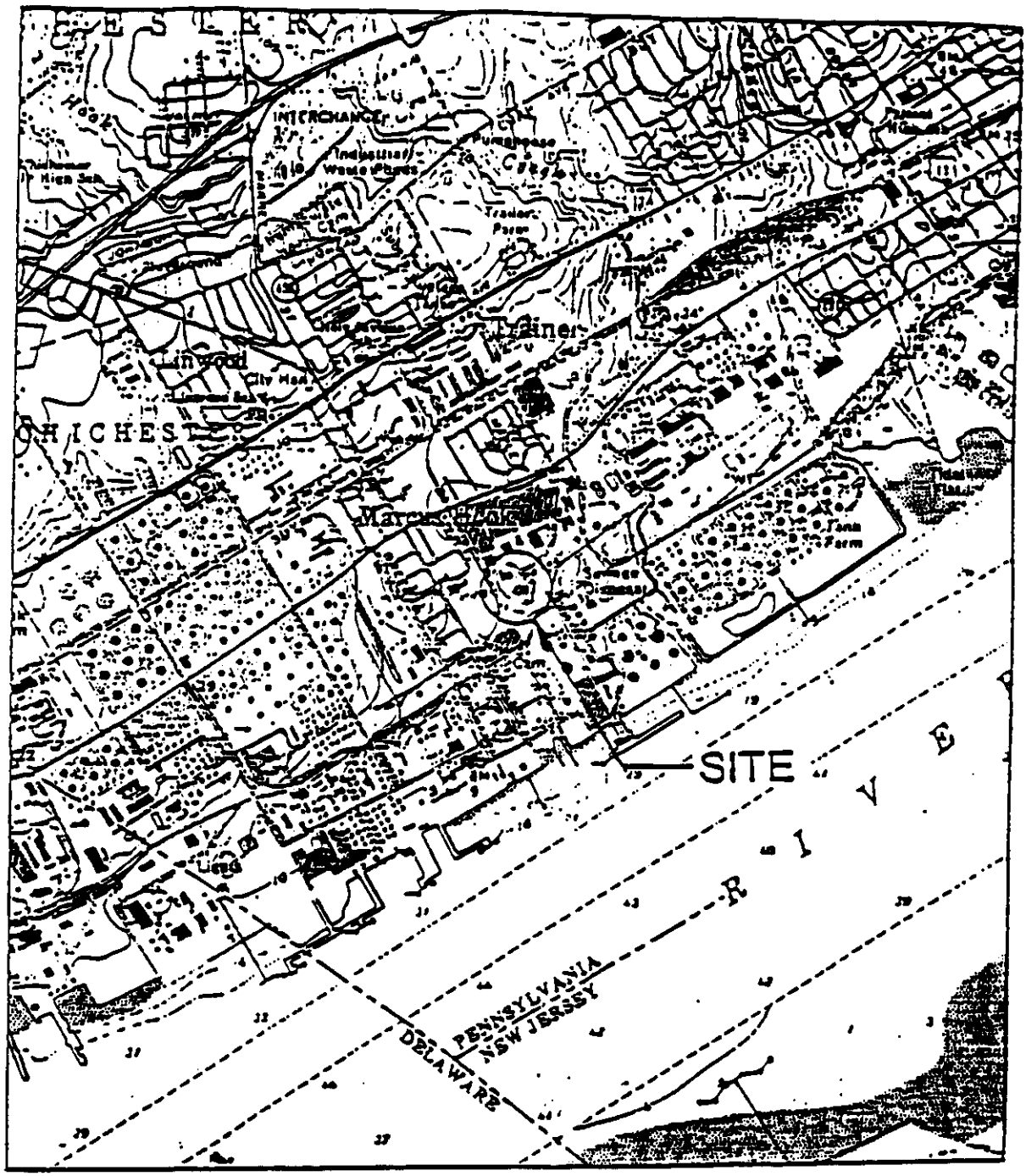
- Site Diagram

  Figure 7.1 illustrates the location of the site to the surrounding environs. Figure 7.2 presents the site layout showing suspected hazard location, site structures, general area demographics waterways and roads/access points.

- Land Use

  The site is approximately 33 acres in size with 2.22 acres and Building 18 occupied and potentially owned by KSP Enterprises, a bio-medical incinerator. Buildings 1, 2, 4, 6A and 6B are partially occupied by tenants of the Marcus Hook Business & Commerce Center, including the community center concerns, a restaurant, and several businesses. The remainder of the site is in various stages of construction and/or demolition for development. Figure 7.3 illustrates the land uses for the areas surrounding the site. Briefly, an elementary school is located west of the site; a British Petroleum refinery is located to the east; and, commercial businesses and residential areas are located north and south of the site.

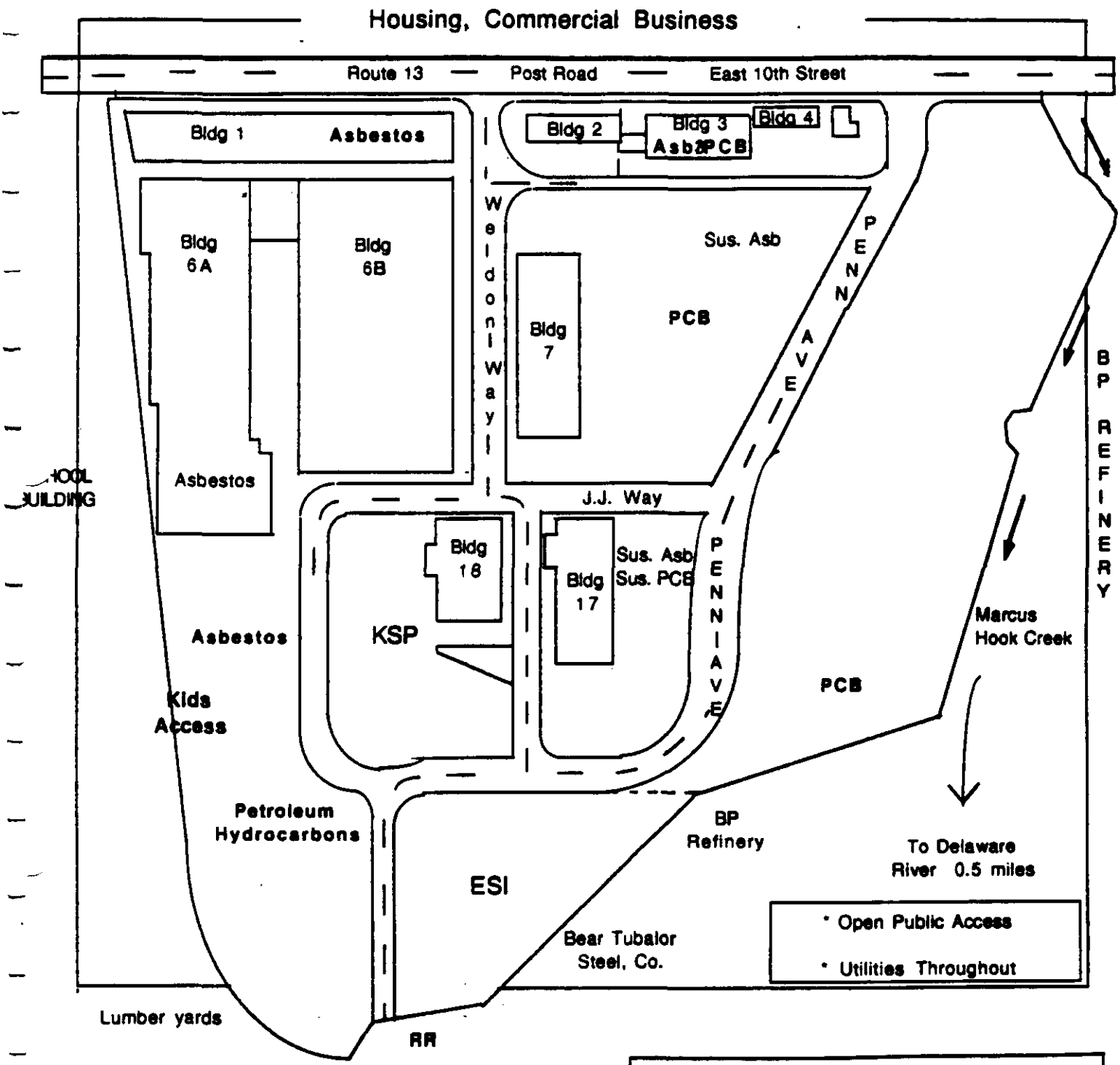
Figure 7.1



EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER: RRL	PREPARED FOR: USEPA REGION III
TITLE: Site Location	

FIGURE # 7.2

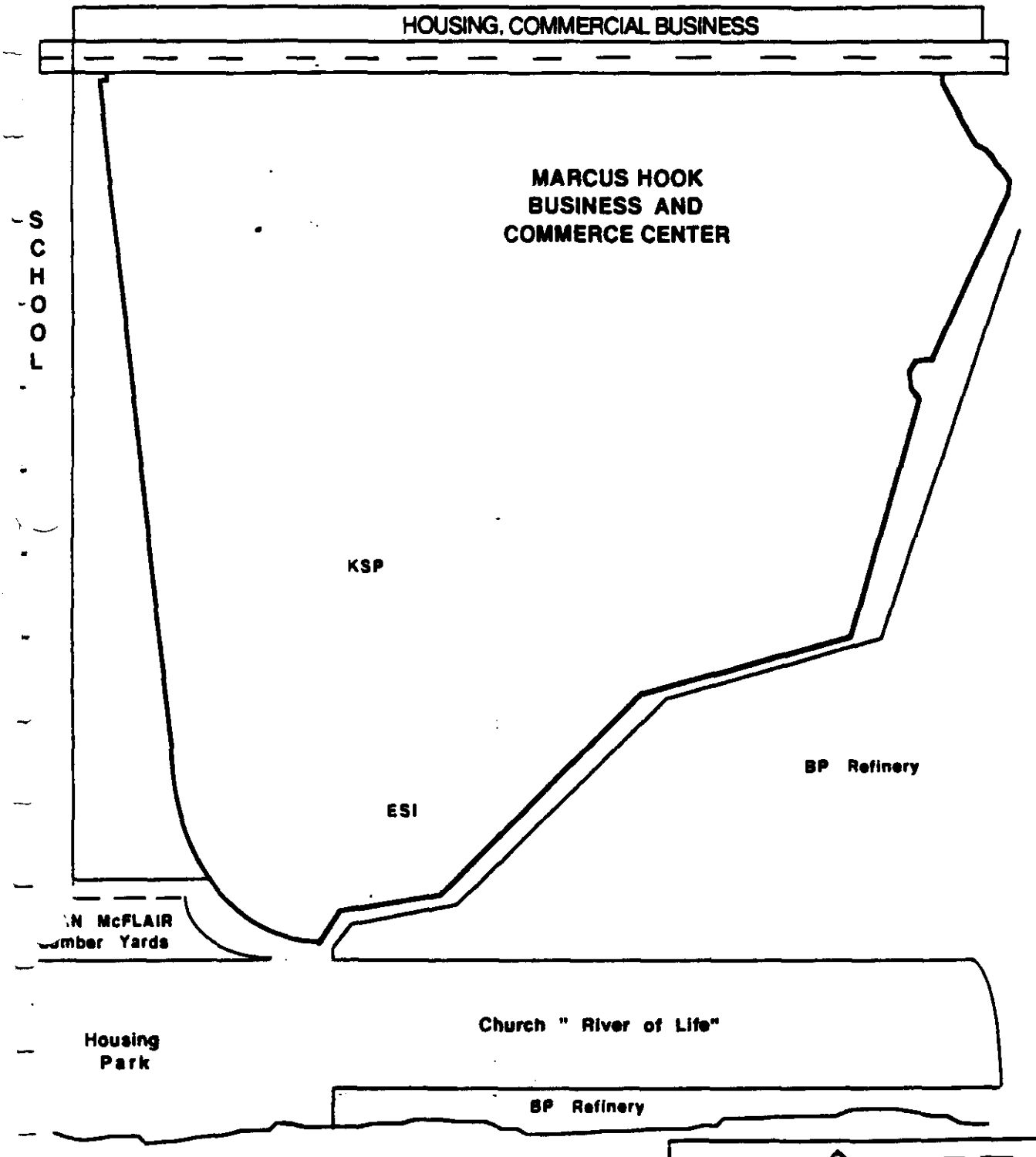
ORIGINAL (Red)



EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER:	PREPARED FOR: USEPA REGION III
TITLE: Site Diagram (Preliminary Areas)	

FIGURE # 7.3

ORIGINAL (Red)



EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER: RE	PREPARED FOR: USEPA REGION III
TITLE: Land Use Map	

ORIGINAL

- Soils Distribution

The north side of the site mainly contains asphalt or cement covered surface areas. The mid-section (Lots 20, 21, 11, 23, 9, 10, 11, 14 and 15) was in the process of being filled and graded for potential construction activities. This "new" fill is usually between four to eight feet in depth. The far southeastern portion of the site is at or similar to the original grade of soil that may have been present during FMC operations. This "old" fill is approximately six to twelve feet in depth. Figure 7.4 presents the soils topography and Figure 7.5 delineates a typical, vertical soil profile.

- Site Drainage

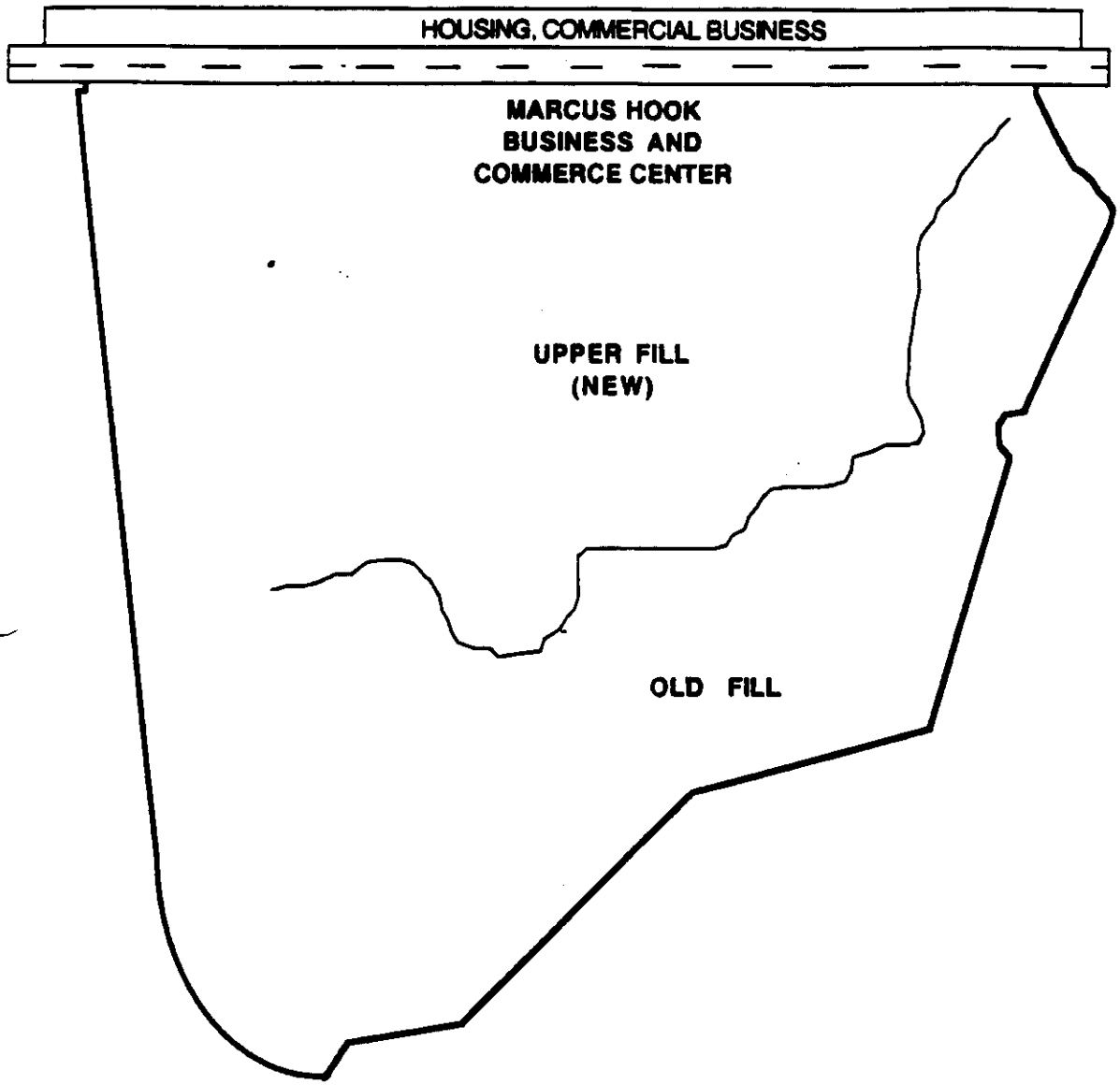
Three storm drainage/water discharge (NPDES) points in Marcus Hook Creek were connected to a comprehensive water collection and sewer system during FMC activities. Recent demolition/fill activities may have blocked or eliminated several of these lines with unknown results. The surface water run-off is in a south to south-southeasterly direction. Figure 7.6 presents the predominant surface water directional flows.

- Water Use

According to NTH Consultants, Ltd. Report 0123pp, Environmental Site Assessment for FMC Tank Farm;May 15, 1990:

ORIGINAL (Red)

FIGURE # 7.4

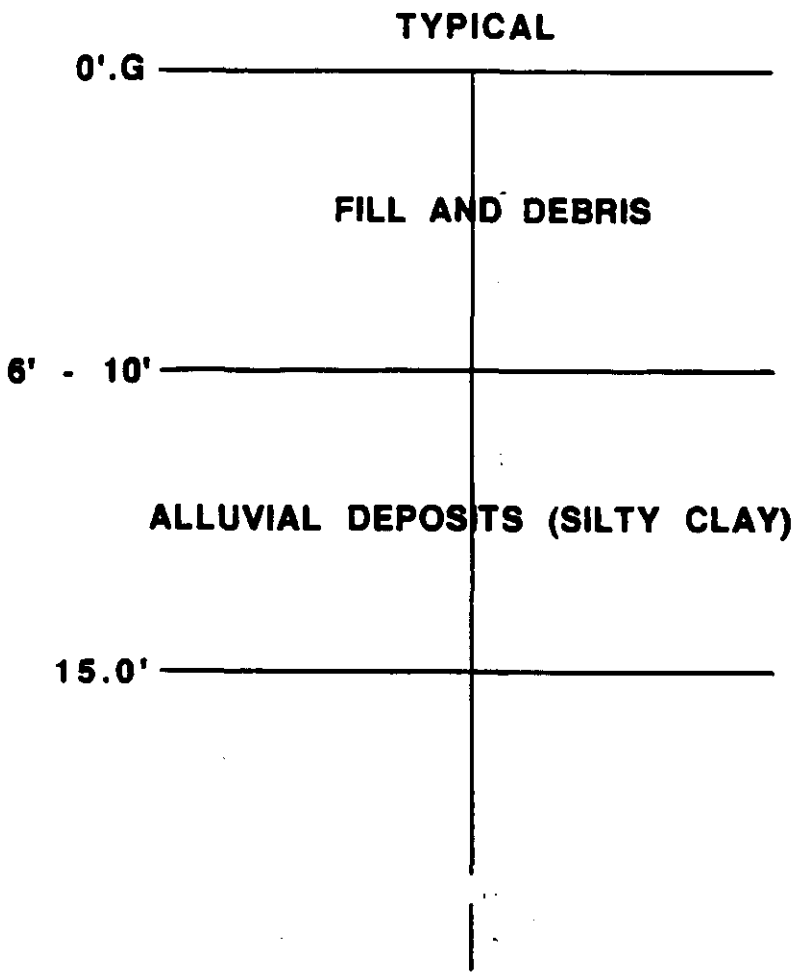


Old Fill - Previous Fill / Unknown time
New Fill - Land filling ongoing at the time of PA

EHRT	
DATE: 8/4/91	SITE: E. 10th STREET
ENGINEER:	PREPARED FOR: USEPA REGION III
TITLE: GENERAL HORIZONTAL SOILS PROFILE	

ORIGINAL (Red)

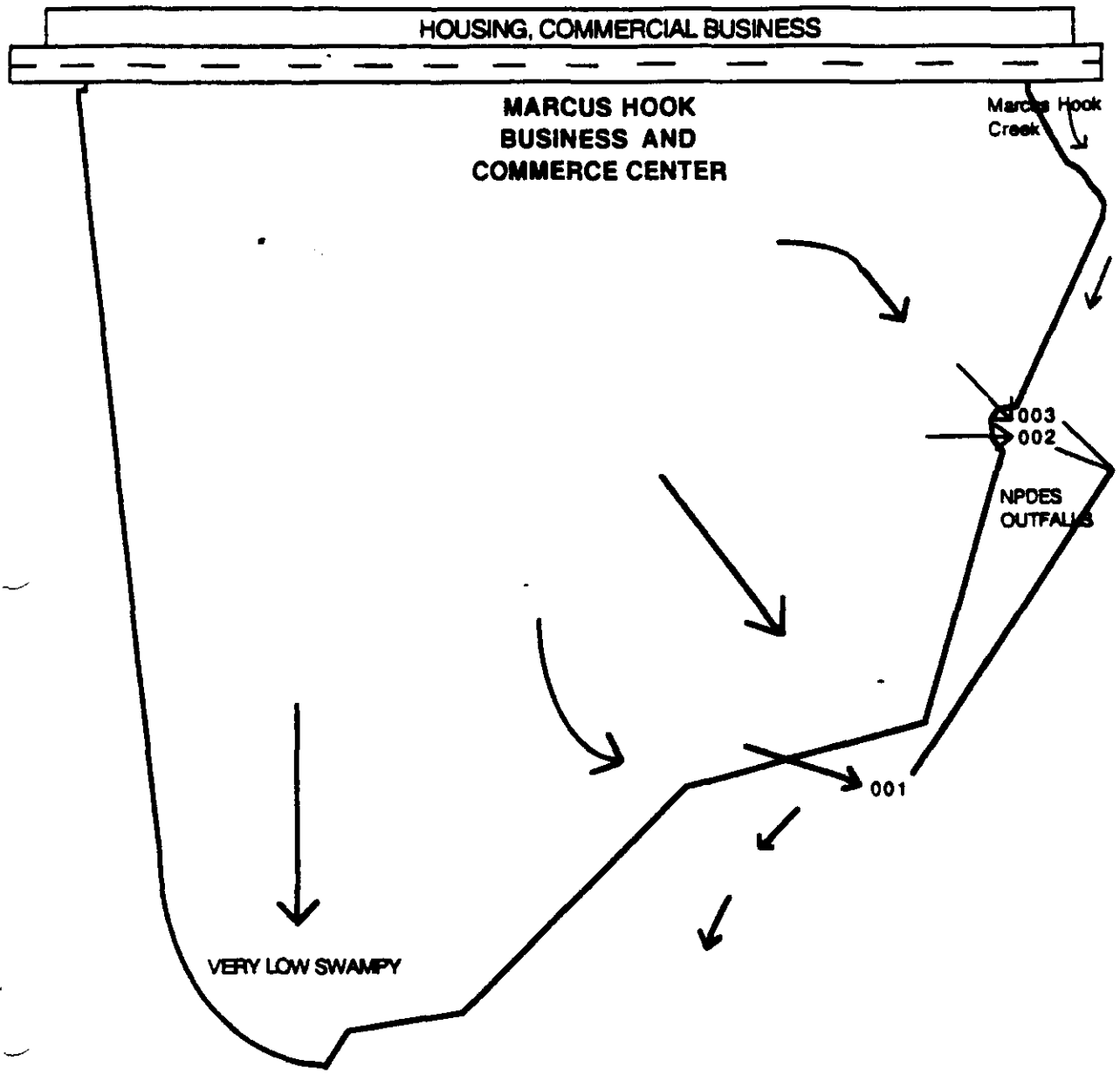
FIGURE 7.5



EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER: KAE	PREPARED FOR: USEPA REGION III
TITLE: Generalized Variable Soils Profile	

FIGURE # 7.6

ORIGINAL (Red)



* Main drainage by extensive storm sewer system w/3 NPDES outfalls
* Surface flow follows the arrows on diagram

EHRT	
DATE: 1/4/91	SITE: E. 10th STREET
ENGINEER: RAL	PREPARED FOR: USEPA REGION III
TITLE: GENERAL SITE DRAINAGE	

ORIGINAL (Red)

DRAFT - FOR DISCUSSION PURPOSES ONLY

"Based on the areas topography and the site's proximity to the Delaware River, the ground water table is believed to be shallow, probably within 20 feet of the ground surface. The first ground water bearing deposit below the site is believed to be the Trenton Gravel deposit.

Ground water flow in the area is believed to be generally in a southward direction toward the Delaware River. However, ground water conditions could be influenced if there are any water pumping wells associated wtih the extensive industry in the area. The shallow ground water flow regime is also expected to be influenced by the tidal effects of the Delaware River.

The ground water quality in the Trenton Gravel Deposit below the site is generally expected to be poor because of the high concentration of heavy industry in the area and the poor water quality of the Delaware River. Both of these sources of ground water degradation are believed to have a widespread effect on the area due to the slow ground water flow expected below the site and the tidal effects from the Delaware River."

- Prevailing/Extreme Weather Conditions

Two weather conditions may affect site contaminant migration:

(1) heavy rains may cause flooding in the southwestern portion of the site and in tunnel areas and cause migration of any contaminants in these areas;

(2) winds at site were predominantly from the south-southeast but variable during the RA action and may contribute to migration of any surface soil contaminants.

ORIGINAL (Red)

DRAFT - FOR DISCUSSION PURPOSES ONLY

8.0 Removal Assessment Data Presentation

The Removal Assessment site activities were completed on December 7, 1990. The final sample shipment was received at the laboratory on December 13, 1990. Final results were received on January 4, 1991.

EHRT performed RA data collection activities for surface and subsurface soils; bulk and airborne asbestos; waste containers; building floors; tunnels/basements; suspected USTs; NPDES effluent points; lab chemicals; lead paint; unknown cylinders; real time monitoring for H_2S, LEL and organic vapors; process equipment review; and, building inspections.

Analytical data was not collected from Buildings 2, 4, 6B and 18 or Lots 8, 14, 15, 16 and 19 because of occupancy, no observed potential hazards, or reliance upon previous data.

EHRT has presented the RA data collected by building and lot areas as delineated in Figure 6.1. Table 8.1 summarizes the RA results in a brief comprehensive manner. The sections following Table 8.1 provide detailed analytical results for the RA data by each building and lot location. A short narative is followed by an analytical result summary table. "N/A" in the tables indicated that the listed

ORIGINAL (Red)

parameter was not tested. The narratives and tables present the results of samples which primarily contained dedectable levels of compounds.

The Master Log Sheets and individual laboatory analysis results sheets for this project are contained in Appendix III, ehere complete files of all project analyses are presented.

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TABLE 8.1
Summary of Chemicals/Hazards of Potential Concern
at E.10th Street Site; Marcus Hook, PA
Removal Assessment

LOT / Building No	Chemicals/Hazards of Potential Concern
Building 1	Asbestos / Lead Paint
Building 3	Asbestos / PCB
Building 6A	PCB/ Lab Chemicals/ Process Tanks
Building 6B	PCB/ Asbestos
Building 7	PCB, Metals/ Flammables/ Corrosives/ Transformer Carcassses/ Process Tanks
Building 17	PCB/ Metals/ Flammables/ Corrosives/Transformer and Transformer Carcassses/ Process Tanks (including CS_2 Tanks)
Lot 10	PCB/ Metals/ Sulphides/ Volatile/Semi-Volatiles Organics/ Asbestos
Lot 11	PCB/ Metals/ Semi-Volatile Organics/ Asbestos
Lot 12	Metals/ Volatile Organics
Lot 13 / Incinerator Building	Sulphides/ Volatile and Semi-Volatile Organics/ Transformer Carcasses
Lot 14	Unknown Gas Cylinders

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LOT / Building No	Chemicals/Hazards of Potential Concern
Lot 15	Volatiles, CS_2*
Lot 20	Asbestos/ PCB/ Metals/ Potential UST/ Process Tanks/ Semi-Volatile Organics
Lot 21	PCB/ Semi-Volatile Organics/ Asbestos / Potential UST **/ TRPH
Lot 22	PCB/ Metals/ Asbestos/ Volatile and Semi Volatile Organics/ Sulphides
NPDES Discharge	Metals/ PCB

* Roy F. Weston Report, "Marcus Hook Business and Commerce Center, Environmental Assessment", October 1990

** See also, NTH Consultants Report # 0012388, "Environmental Site Assessment for FMC Tank Farm, Marcus Hook, Pennsylvania"; May 15, 1990

ORIGINAL (Red)

BUILDING 1

LOCATION AND HISTORY

The building is located at the northwest corner of the site. It is north of Buildings 6A and 6B, and west of Building 2. It is bordered on the north side by East 10th Street. This five story building housed the FMC's Research and Development section.

CURRENT CONDITIONS OF THE BUILDING

The building is contaminated with asbestos fibers. There is debris (potential ACM) on the 3rd, 4th, and 5th floors. Paint is flaking off the walls throughout the building. The upper floors of the building contained numerous piles of the flaking paint. The first and second floors of the building are occupied by tenants of the Marcus Hook Buisness and Commerce Center.

SAMPLING / RESULTS

Air samples were taken from all floors based on the contamination source, i.e., asbestos fibers. Bulk samples were collected from the debris on the 3rd, 4th, and 5th floors. The flaked paint was sampled for lead.

The air-sampling results (Table 8.2) indicate the presence of fibers on all the floors (from 0.001 to 0.015 F/cc). The QC Transmission Electron Microscopy (TEM) analyses confirmed asbestos fibers on the fifth floor. The remaining three TEM analyses did not confirm airborne asbestos fibers. Chrysotile (5- 25%) and Amosite (1-40%) were found in the bulk sampling from the 4th and the 5th floors.

The analysis for total lead in the paint showed levels of 1000 ppm on the 4th floor and 146 ppm on the 5th floor.

ORIGINAL (Red)

Table 8.2
BLDG - ONE

SAMPLE NUMBER/LOCATION	ASBESTOS	LEAD
1-11-8-90 9th Floor Mechanics Room (Bulk)	5% Chrysotile 30% Amosite	
2-11-8-90 9th Floor Mechanics Room (Bulk)	Trace Chrysotile 4.5% Amosite	
3-11-8-90 9th Floor Mechanics Room (Bulk)	25% Chrysotile	
4-11-8-90 9th Floor Mechanics Room (Bulk)	Trace Amounts	
5-11-8-90 5th Floor Lab (Bulk)	15% Chrysotile	
6-11-8-90 4th Floor Center Stair (Bulk)	30% Amosite	
7-11-8-90 4th Floor Center Stairs (Bulk)	5% Chrysotile	
8-11-8-90 4th Floor Center Stairs (Bulk)	40% Amosite	
2201-Air 1st Floor Daycare Restroom	0.008 F/cc	
2204-Air 1st Floor Corridor Center Stair	0.005 F/cc	
2205-Air 1st Floor Cafeteria	0.003 F/cc	
2206-Air 2nd Floor West Stairwell	0.007 F/cc	
2207-Air 2nd Floor Center Stairwell	0.007 F/cc	
2208-Air 2nd Floor East Stairwell	0.004 F/cc	
2210-Air 3rd Floor	0.006 F/cc	
2211-Air 3rd Floor West End Tower	0.004 F/cc	
2212-Air 4th Floor West End Tower	0.012 F/cc	
2213-Air 5th Floor Mechanics Room	0.015 F/cc	
EWRT - 9 - Air Townsend Auto Sales	0.001 F/cc	
EWRT - 10 - Air 2nd Floor West Stairwell	0.003 F/cc	
EWRT - 11 - Air 2nd Floor Hall Room 229	0.002 F/cc	
3003 - Air 2nd Floor Hall (East End)	0.006 F/cc	
MW.110990.21 5th Floor Paint Flakings-throughout the building		140 ppm
MW.110990.22 5th Floor Paint Flakings-throughout the building		1000 ppm

ORIGINAL (Red)

BUILDING 3

LOCATION AND HISTORY

Building 3 covers 0.82 acres of land. It is between East 10th Street and Commerce Drive, 150 yards east of Weldon Way. This building was used as Administration Offices and Facilities at the FMC complex.

CURRENT CONDITION OF THE BUILDING

The lower level of the building contains a drum storage area with sawdust absorbent. The upper levels contain asbestos, asbestos removal bags and indications of intrusive activities (graffitti, living areas).

SAMPLING / RESULTS

There are over forty-nine drums stored in this building which were randomly sampled for PCB's.

The results (Table 8.3) indicate that the drums and the samples taken off the floor area contain 0.01 - 522 ppm of PCB's. Drum number MH-5 showed a high detection level of 750 ppm due to interferences in the matrix.

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SAMPLE NUMBER	PCB's	T Metals	TCLP Herbicides Pesticides	TCLP Volatiles Non-Volatiles	SULFIDES	RCRA CH.	ORGANICS	CS_2/THF	ASBESTOS
MW-110890-002 (Drum)	158 ppm								
MW-110890-003 (Drum)	96 ppm								
MW-110890-004 (Drum)	97 ppm								
MW-110890-005 (Drum)	MDL 750 ppm								
MW-110890-008 (Drum)	0.01ppm								
MWF-110990-0019 (Floor)	107 ppm								
MWF-110990-020 (Floor)	522 ppm								
MW-112890-093 (Drum)	None detected								

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ORIGINAL

ORIGINAL (Red)

BUILDING 6A

LOCATION AND HISTORY

This building is located on the northwest area border of the site. The building contained the packaging, slitting, and mill roll storage areas.

CURRENT CONDITIONS OF THE BUILDING

The operation areas in this building are still intact but in poor condition. The basement is flooded with water (from 10" to 36") at various locations. One room in the basement contains lab chemicals and a drum. A trench full of liquid was located in the northeast end of the basement. Old process equipment remains in the south side of the building. Several drums are located in the second floor and are allegedly being disposed by Canoni Engineering. Tennants occupy portions of the first floor.

SAMPLING / RESULTS

Samples collected from this building were from air quality for asbestos particles, outside drums and a soil sample by the drain near the back door. The basement contains a room with old lab chemicals. The liquid flooding the basement on the north and east side of the building was sampled. Samples were collected from the drum and the basement trench.

The analyses of the drum samples from outside of Building 6A (Table 8.4) show the presence of PCB's (6 - 40 ppm). A manhole adjacent to the building (Building 6B) indicated 6.6 mg/l of PCB. Soil adjacent to a drain in the outside drum storage area contained 23 mg/kg of PCB. The asbestos sample from air within the 1st floor corridor indicates the presence of 0.004 F/cc in the air. The drum sample from the basement shows no metals, no sulfides and a pH of 7.6. The trench sample indicated no sulfides and no TCLP-herbicides/pesticides.

BLDG 6A

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SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	SULFIDES	RCRA CH.	BTEX
MH-111690-36/41 (36 and 41 are duplicates) (DRUM)	36-40ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-11690-037 (DRUM)	29 ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-111690-038/042 (38 and 42 are duplicates) (DRUM)	31-33ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-111690-039 (Drum)	33 ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-111690-40 (Soil by the drain back door)	23 ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-110990-28 (Manhole, Adjacent to Bldg 68)	6.6ppm	N/A	N/A	N/A	N/A	N/A	None Detected
MH-120490-096 (Drum in the basement)	N/A	None Detected	N/A	N/A	N/A No sulfides	ph 7.6	None Detected
MH-120490-097 (Trench in the basement)	N/A	N/A	None Detected	Semi Volatile None Detected	N/A No sulfides	N/A	N/A

ORIGINAL (Red)

BUILDING 7

LOCATION AND HISTORY

Building 7 is located at the NE intersection of Old JJ Way and Weldon Way. It covers 0.92 acres of ground area. This building was used as a warehouse by FMC.

CURRENT CONDITIONS OF THE BUILDING

Empty.

SAMPLING / RESULTS

There are several drums, transformer carcasses and process tanks lying on the outside pad SE of the building. The drums were sampled for PCB's and RCRA characteristics, dependent upon the physical state of the material. The results (Table 8.5) indicate PCB's range from 7 ppm to 27 ppm. The liquid in drum # MH 34 has a pH of 11.4 and a flash point of 92°F. The liquid in drum MH-035 has a pH of 11.8 and a flash point of 138 °F. A sample was taken from drum MH 107, located in the garage area. The pH on this sample was < 1.0 and the TCLP - metals shows the presence of chromium and lead as shown below:

Chromium 86.2 ppm Lead 1.01 ppm

Table 8.5

BLDG - 07

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Volatiles Non-Volatiles	RCRA CH.
MH-111690-031 (Drums outside the SE pad by the transformers)	27.0 ppm	N/A	N/A	N/A
MH-111690-032 (Drums outside the SE pad by the transformers)	8.0 ppm	N/A		N/A
MH-111690-033 (Drums outside the SE pad by the transformers)	7.0 ppm	N/A		N/A
MH-111690-034 (Drums outside the SE pad by the transformers)	N/A	N/A		pH 11.4 Flash Point = 92° F
MH-111690-035 (Drums outside the SE pad by the transformers)	N/A	N/A		pH 11.8 Flsh Point = 138 ° F
MH-111690-107 (Drum in the garage area)	N/A	Cr 86.2 ppm Pb 1.01 ppm	VOL. only None Detected	pH <1.0

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ORIGINAL (Red)

BUILDING 17

LOCATION AND SITE DESCRIPTION

Building 17 is located on the southeast corner of the intersection at Weldon Way and Old JJ Way. This building housed the major processing operations in the manufacture of rayon and cellulose. The churning and mixing processes were located in this building.

CURRENT CONDITIONS OF THE BUILDING

Significant quanitites of oil and oil soaked sawdust are contained within the building. The northwest corner of Building 17 has a cellar which was used for chemical storage. This cellar was 1/2 filled with a water-like liquid with black sludge settled at the bottom. There is one abandoned drum containing corrosive liquid on the northside of the building. Overpack drums containing PCB oils and the eight unknown cylinders are stored within the building. Old churning and mixing process equipment remains in the structure. Several untouched transformers were also found in Building 17.

SAMPLING / RESULTS

Suspected contamination from the manufacturing processes would be from the solvent storage tanks, caustic storage, and the carbon disulfide storage tanks. Additional PCB suspect areas are associated with the transformer and transformer flushing operations. Sampling was based on the suspected contamination in the building. Samples were collected from the cellar storage area, drums on the northside of the building, saw dust and soil on the ground, saw dust in the bags and the oil soaked sand by the churn tank.

The saw dust/soil samples were analyzed for PCB's. The liquid from the cellar storage area was analyzed for Toxicity Characteristics-Metals and pH. The drum sample was analyzed for RCRA Characteristics.

The analyses indicates (Table 8.6) concentrations of PCB's in the saw-dust, sand and the soil samples. The two saw-dust samples (bagged) contain 77,800 mg/Kg and 50,500 mg/Kg

ORIGINAL (Red)

PCB's. The saw-dust/soil sample from the floor has between 226 - 400 mg/Kg of PCB's.

The drum on the northside of the building contained a liquid with a pH of 11.5 and a flash point of 116 °F. Surface soil samples taken around the south-east corner of the building (original grade) indicated TC lead concentration between 77-304 mg/l and some cadmium concentrations (< 1.0 mg/L). Additionally, PCB levels in surface soils and oil soaked sand around the churn tank ranged between 3-8 mg/kg.

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Volatiles Non-Volatiles	SULFIDES	RCRA CH.	ORGANICS
MHF-110990-023 (Sawdust in bags)	77,800 ppm	N/A	N/A	N/A	N/A	N/A
MHF-110990-024 (Sawdust in bags)	50,500 ppm	N/A	N/A	N/A	N/A	N/A
MHF-110990-025 (Floor)	226 ppm	N/A	N/A	N/A	N/A	N/A
MHF-110990-026 (Floor)	440 ppm	N/A	N/A	N/A	N/A	N/A
MH-111690-043 (Floor)	N/A	N/A	N/A	None Detected	pH 11.5 Flash-point 116°F	N/A
MHS-11190-047 (Soil/SE Bldg 17)	PCB-1260 7 mg/kg	Pb 304 mg/L	None Detected	N/A	N/A	N/A
MHS-111990-048 Oil Soaked Sand by Churn Tank	PCB-1260 7 mg/kg	N/A	N/A	N/A	N/A	N/A
MHS-111990-049 Duplicate of (047)	PCB-1260 8 mg/kg	Pb 77 mg/L Cd 0.163 mg/L	None Detected	N/A	N/A	N/A
MH-120490-098 SE Corner (Cellar) of Bldg 17	N/A	None Detected	N/A	N/A	pH 8.6	N/A

ORIGINAL (Red)

ORIGINAL

ORIGINAL (Red)

LOT 9

LOCATION AND HISTORY

Lot 9 is located south of the old parking area (Lot 8) and adjacent to Penn Avenue and Marcus Hook Creek. It is in the northeast area of the site. This lot housed FMC's power house and a fuel storage tank.

CURRENT CONDITIONS OF THE LOT

The area which was the location of the FMC power house has been filled. It is covered with building debris and the demolished power house ruins. It also has a pedestal for a fuel storage tank at the northeast end of the lot.

SAMPLING / RESULTS

A surface soil/ ash sample was taken adjacent to the tire playground. This soil was analyzed for PCB's and TCLP - metals in the soil based on the history of the power house located in this lot. A test pit (TP - 09 -1) was dug near the fuel tank base for subsurface soils testing.

Surface soil results indicate (Table 8.7) 7.0 ppm of PCB 1260, while the TCLP analyses shows lead at 0.510 ppm and cadmium at 0.268 ppm. The test pit indicated a TCLP lead level of 1.16 ppm.

Table 8.7
Lot 09

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Non-Volatiles
MH-112790-074 (Surface Soil/ Ash)	PCB - 1260 7.0 mg/kg	Cd 0.268 mg/L Pb 0.510 mg/L	N/A	N/A
MHF-120590-113 TP-09-1 (Test Pit) (Near the Oil Tank Pedestal)	None Detected	Pb 1.16 ppm	Herbicides None Detected	None Detected

ORIGINAL
(Red)

ORIGINAL (Red)

LOT 10

LOCATION AND HISTORY

This lot is located on the east side of the site. The creek borders it on the east side with Penn Avenue on the west perimeter. This lot has an area of 1.08 acres. Lot 10 housed a spray pond for the cooling water of the power house.

CURRENT CONDITIONS OF THE LOT

The spray pond was demolished and filled with building debris. Asbestos and cinder/slag are spread over the lot.

SAMPLING / RESULTS

Sampling for this lot was based on the presence of asbestos in the debris. Also, an "original grade" soil sample MH-112790-085, was sent for PCB, TC Waste, carbon disufide, TPH, and organics (volatiles/semi-volatiles) analyses. Soil/debris sample MHS-111790-06 was sent for PCB and TCLP-metals. Sample MH-112790-081, creek bed, was analyzed for PCB's and total metals, sulfides, CS_2, and TPH analyses. A test pit was dug for subsurface sampling of the soils.

Asbestos sampled in this lot indicated 40% Chrysotile. The results (Table 8.8) indicate that the PCB's range from 2 ppm to 5 ppm in the surface samples. Analysis for sample MH-112790-081, creek bed, shows the total metals as 36.8 mg/kg lead and 75.2 mg/kg barium, PCB at 5 ppm, and a concentration of sulfides at 47 mg/Kg. Sample MH-112790-85 from this lot shows the presence volatile organics of 1,1,1-Trichloroethane at 18 ppb and semi-volatiles as follows:

Anthracene	200ppb
Benzo (a) Anthracene	580 ppb
Benzo (b) Fluroanthene	500 ppb
Benzo (k) Fluoranthene	520 ppb
Benzo (a) Pyrene	300 ppb

ORIGINAL (Red)

Chrysene	1480 ppb
Fluoranthene	660 ppb
Naphthalene	1400 ppb
Phenanthrene	1680 ppb
Pyrene	940 ppb

The results for the test pit in Lot 10, TP-10-1, do not indicate the presence of any chemical substances within the test parameters. The sample taken off the creek bed at the NPDES Discharge No. 3 in the creek indicates the following results:

Total Metals	
Arsenic	2.15 mg/Kg
Barium	37.7 mg/Kg
Chromium	2.88 mg/Kg
Lead	8.98 mg/Kg
Mercury	0.061mg/Kg

ORIGINAL (Red)

LOT 11

LOCATION AND SITE DESCRIPTION

Lot 11 is located on the east side of the site with its eastern border on the creek. Penn Avenue borders it on the west side. The south border is in line with Old JJ Way. Acid reclaim process tanks and spray tanks were originally on the lot during FMC operations.

CURRENT CONDITIONS OF THE LOT

This lot is now covered with demolished building debris and cinders, apparently from the incineration building. There is spill residue along the creek banks.

SAMPLING / RESULTS

Surface soil and asbestos debris samples were collected. These soil samples were analyzed for asbestos, PCB's, TCLP - metals and for organics (volatiles and semi-volatiles). A test pit was dug for subsurface soil sampling. The results (Table 8.9) indicate chrysotile concentrations ranging from 25 - 35%; 140 mg/kg of PCB was detected in the soil sample MH-112790-079. Cinder sample MH-112790-086 from this lot contained:

Anthracene	400 ppb
Benzo (a) Anthracene	1920 ppb
Benzo (b) Fluoranthene	240 ppb
Benzo (k) Fluoranthene	2260 ppb
Benzo (a) Pyrene	1620 ppb
Chrysene	6060 ppb
Fluoranthene	2420 ppb
Indeno (1,2,3-cd) Pyrene	540 ppb
Napthalene	1260 ppb
Phenanthrene	2380 ppb
Pyrene	2940 ppb

The test pit sample does not indicate the presence of any chemical substances within the test

Table 8.8

LOT 10

SAMPLENUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	SULFIDES	REACE.	ORGANICS	OS Pg/	[illegible]
RMS-111700-044 (SURFACE SPILL RESIDUE)	N/A	None Detected	None Detected	None Detected	None Detected	Ig - None pH 5.0	N/A	N/A	N/A
RMS-111700-045 (SURFACE SPILL RESIDUE)	PCB - 1260 2 mg/kg	None Detected	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RM-112700-077 (SURFACE SPILL RESIDUE)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	40% Chrysotile
RM-112700-081 (CREEK BED UNDER HANGING PIPES)	PCB - 1260 5 mg/kg	(Total Metals) mg/kg As 1.75 Ba 75.20 Cd 0.00 Cr 14.40 Pb 30.00 Hg 0.10 Se <0.40 Ag <1.00	N/A	N/A	47 mg/kg	N/A	N/A	None Detected	N/A
RM-112700-085 (ORIGINAL GRADE SOIL)	PCB - 1260 2 mg/kg	None Detected	None Detected	None Detected	N/A	pH 7.6	Volatiles mg/kg 1,1,1-Trichloroethane 10.0 SVOA Anthracene 200.0 Benzo(a)Anthracene 500.0 Benzo(b)Fluoranthene 500.0 Benzo(k)Fluoranthene 550.0 Benzo(a)Pyrene 300.0 Chrysene 1400.0 Fluoranthene 600.0 Naphthalene 1400.0 Phenanthrene 2000.0 Pyrene 900.0	N/A	N/A
RMF-120900-5144 (TEST PIT) TP-10-5	None Detected	None Detected	None Detected	Semi only None Detected	N/A	N/A	N/A	N/A	N/A
RMF-120900-109 Creek Bed DISCHARGE # 3	None Detected	(Total Metals) mg/kg As 11.700 Ba 63.300 Cr 10.900 Pb 106.000 Hg 0.054 Se <1.930 Ag <0.770	N/A	N/A	N/A	N/A	None Detected	N/A	N/A

ORIGINAL (Red)

ORIGINAL (Red)

The test pit sample does not indicate the presence of any chemical substances within the test parameters.

The NPDES Discharge Point No. 2 was sampled inside of the cement pipe casing. The results indicate detectable levels of PCB's at 33 ppm; total metals at 0.061-37.7 ppm; volatile organics at 0.140-4.66 ppm; and semi-volatiles at 0.120 - 1.44 ppm.

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	SULFIDES	ORGANICS (ug/kg)	ASBESTOS	TCLP Herbicides/ Pesticides	TCLP Volatiles/ Semi-volatiles
MWS-111790-045	None Detected	None Detected	N/A	N/A	N/A	N/A	N/A
MWS-112790-078 (SurfaceSoil and Debris)	N/A	N/A	N/A	N/A	35% Chrysotile	N/A	N/A
MW-112790-079 (Surface Soil and Debris)	PCB -1260 140 mg/kg	None Detected	None Detected	N/A	N/A	N/A	N/A
MW-112790-080 (Surface Soil and Debris)	N/A	N/A	N/A	N/A	30% Chrysotile	N/A	N/A
MW-112790-082 (Surface Soil and Debris)	N/A	N/A	N/A	N/A	25% Chrysotile	N/A	N/A
MW-122790-086 (Surface Soil/ Cinders)	None Detected	Pb 1.35mg/L	N/A	ug/kg Anthracene 400 Benzo(a)Anthracene 1920 Benzo(b)Fluoranthene 2440 Benzo(k)Fluoranthene 2260 Benzo(a)Pyrene 1620 Chrysene 6060 Fluoranthene 2420 Indeno(1,2,3-cd)Pyrene 540 Napthalene 1260 Phenanthrene 2380 Pyrene 2940	N/A	N/A	N/A
MWF-120590-115 Test Pit (TP-11-1)	N/A	N/A	N/A	N/A	N/A	None Detected	Semis Only None Detected
MWF-120590-108 (NPDES Discharge No. 2)	PCB-1260 33000 ug/kg	TotalMetals As 2.150ppm Ba 37.700ppm Cr 2.880ppm Pb 8.980ppm Hg 0.061ppm	N/A	Volatile Phenol 120ug/Kg Semi-Volatiles Anthracene 120 Benzo(a)Anthracene 420 Benzo(b)Fluoranthene 300 Benzo(k)Fluoranthene 620 Benzo(a)Pyrene 280 Chrysene 1440 Fluoranthene 820 Phenanthrene 840 Pyrene 600	N/A	N/A	N/A

(POU) TW(19)NO

ORIGINAL (Red)

LOT 12

LOCATION AND HISTORY

Lot 12 is located on the east side of site, north east of the incinerator buildings. This lot is bordered by Penn Avenue on the west side and the creek on the east side. The lot housed the suphuric acid tanks, acid reclaim operations, pilot plant, anhydrous caustic operations building, and the research and development center.

CURRENT CONDITION OF THE LOT

All the buildings are demolished. The lot is filled with building debris, cinder/slag and asbestos debris.

A tunnel which has a opening in Lot 13 and goes due north under lot 12 was discovered and investigated. This tunnel contains two parallel sections divided by a wall. The western room is filled with 6"- 8" thick sludge/ash. The eastern room of the tunnel has a 3' by 2' entrance which leads to a 20 - 25 yards long and 6-8' width tunnel. There is 8-12" of black oily sludge within this section.

SAMPLING AND RESULTS

This lot was surface sampled for asbestos. Two samples were taken from the tunnel sections. The sludge / ash was sampled in the western room; the black oily sludge was sent for analysis from the eastern section.

The surface soil samples indicate the presence of 25% chrysotile and 5% amosite. Results, (Table 8.10), for the sludge samples from the eastern room shows 91 mg/kg of chloroform. The total metal content of this sample is:

Eastern Section of the Tunnel:

Total Metal Content:

Arsenic	76.3 mg/Kg	Barium	1286.0 mg/Kg
Cadmium	5.9 mg/Kg	Chromium	20.7 mg/Kg
Lead	41.0 mg/Kg	Mercury	2.15 mg/Kg

ORIGINAL (Red)

The ash from the western room of the tunnel did not indicate significant levels of chemical constituents within the parameters of the testing.

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	RCRA CH.	ORGANICS	ASBESTOS
MH-112790-083	N/A	N/A	N/A	N/A	N/A	N/A	25% Chrysotil 5% Amosite
MH-120790-094 (TunnelLot 12/13) Room · Sampled by Bob	None Detected	TotalMetals mg/kg As 76.30 Ba 1286 Cd 5.39 Cr 20.70 Pb 441.00 Hg 2.15 Se <0.435 Ag <1.740	N/A	N/A	N/A	VOL Chloroform 91000 ug/kg	N/A
MH-1240490-099 (Tunnel) Lot 12/13	None Detected	mg/kg Pb 0.620	None Detected	Only -Semi None Detected	pH 8.1	N/A	N/A

ORIGINAL (Red)

ORIGINAL (Red)

LOT 13 / INCINERATOR BUILDING

LOCATION AND HISTORY

This lot is located between Penn Avenue and the Creek; and, south of Lot 12 and north of Lot 14. The incinerator building is still standing on the south-east corner of the lot. There is an existing spray pond structure.

CURRENT CONDITIONS OF THE LOT

There were four drums containing oil originally located near the stack in Lot 23 which were moved and now sit within the incinerator building. Five transformer carcasses were abandoned within the incinerator building. At the north end of the lot a tunnel opening was discovered, which was filled with building debris and abandoned tires. The tunnel runs under Lot 12. Cinder and slag are scattered on the surface of the lot mixed with miscellaneous trash and debris. There is a fenced area containing a hazardous waste rolloff bin (tarped) allegedly containing benzene contaminated soil. According to the USEPA, this soil is currently under PADER direction.

SAMPLING / RESULTS

Samples were taken from under the transformer carcasses for suspected PCB's, the oil drums were sampled for PCB's, and the incinerator ash was sent for TC Waste analyses. The sewer discharge location behind this lot in the creek was also sampled. Results (Table 8.11) from the analyses of the samples in Lot 13 show the presence of PCB's in the oil drums up to 284 ppm. TCLP - volatiles on the ash samples from this building indicates 200 - 240 ppb of 1,1-dichloroethane. The ash samples also indicate a 0.27 - 1.8 mg/Kg of cyanide. The sample from the pit near the transformer carcasses did not show any dedectable concentrations of PCB. The ash did contain some semi-volatile organics, present as follows:

Benzo (a) fluroanthene	440 ppb
Benzo (k) fluoranthene	240 ppb
Chrysene	640 ppb

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Phenanthrene	240 ppb
Pyrene	520 ppb

The results from the NPDES Discharge Point No. 1 creek bed sampling indicate the following:

PCB's (1260):	4.0 ppm			
Total Metals:	Arsenic	5.61 ppm	Barium	63.7 ppm
	Chromium	12.3 ppm	Lead	73.0 ppm
	Mercury	0.039 ppm		
Semivolatiles:	Pyrene	1.4 ppm		

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	RCRA CH.	ORGANICS	CYANIDE
MHS-111690-029 (IncAsh - lower level)	N/A	None Detected	None Detected	TCLP-VOL 1,1-Dichloroethane 240 ug/L	pH 5.6		0.27mg/kg
MHS-111690-030 (IncAsh - upper level)	N/A	None Detected	None Detected	1,1-Dichloroethane 200 ug/L	pH 5.7		1.8mg/kg
MH-112790-084 (SurfaceSoil Spill)	None Detected	None Detected	None Detected	None Detected		ug/kg Benzo(a)Fluoranthene 440 Benzo(k)Fluoranthene 200 Chrysene 640 Phenanthrene 240 Pyrene 520	N/A
MH-112790-087 (Soil in the Inc Bldg)	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
MH-110990-16 (Drum in Inc Bldg)	284.0ppm	N/A	N/A	N/A	N/A	N/A	N/A
MH-110990-17 (Drum in Inc Bldg)	117.0ppm oil 2.5ppm water/oil	N/A	N/A	N/A	N/A	N/A	N/A
MHF-120490-113 (Test Pit)	None Detected	N/A	Herbicides Only None Detected	None Detected	N/A	N/A	N/A
MH-1205-1108 (NPDES Dishcarge No. 1)	PCB 1260 4000 ug/kg	Total Metals mg/kg As 5.610 Ba 63.700 Cr 12.300 Pb 73.000 Hg 0.029 Se <2.150	N/A	N/A	N/A	Pyrene 1,140ug/Kg	N/A

ORIGINAL (Red)

ORIGINAL (Red)

LOT 20

LOCATION AND HISTORY

This lot is located on the west-central side of the site. Building 6A lies on its north and Lot 21 to its south. This lot housed the coating building for the FMC facility.

CURRENT CONDITIONS OF THE LOT

There is a small section of a building near the fence which is still intact. There are some drawings and pictures on the walls which show that children from the school (elementary) across the street have apparently been playing in the structure. A pathway underneath the fence, which was apparently used by the kids to enter the property was discovered near the building (Lot 22, south from this lot). A large number of old process bins and miscellaneous debris piles are located on the northern edge of the lot.

Asbestos debris is scattered on the surface of this lot and an asbestos disposal bag is deposited near the west perimeter. There are abandoned alcohol storage tanks, piles of sheet metal and debris scattered throughout the lot. There is a crushed drum near the gravel road containing some soils. There is a suspected leaking underground storage tank under a 2'-3' concrete block near the north side of this lot. The potential UST has two valves in 6" access wells around which the soil remained continually damp.

SAMPLING / RESULTS

Sampling was based on the suspected history of the lot and its current conditions. Asbestos was sampled from the bag outside the structure. Soil samples were collected from the potential tank scale adjacent to the south perimeter, the crushed drum and the wet soil near the suspected underground storage tank. A liquid sample was also sent for analysis from the suspected UST valves. The UST valves were not able to be opened without cutting to access the interior of the potential UST.

The results (Table 8.12) indicate the presence of semi-volatiles in the soil sample from the building with intrusive activities. The glove bag near that building shows 35% chrysotile

ORIGINAL (Red)

present in the asbestos sample. A surface soil sample from old the alcohol storage tank area shows the following:

Sulphides	168 mg/Kg

Organics/Semi-Volatiles

Benzo (a) Anthracene	600 ppb
Chrysene	820 ppb
Fluoranthene	600 ppb
Phenanthrene	600 ppb
Pyrene	880 ppb

The crushed drum near the road contains semi-volatile organics in the following concentrations:

Anthracene	220 ppb
Benzo (a) anthracene	1120 ppb
Benzo (b) fluroanthene	510 ppb
Benzo (k) fluoranthene	520 ppb
Benzo (a) pyrene	300 ppb
Benzo (ghi) perylene	340 ppb
Chrysene	1600 ppb
Fluoranthene	500 ppb
Fluorene	520 ppb
Naphthalene	800 ppb
Phenanthrene	1200 ppb
Pyrene	1620 ppb

Surface soil samples from the suspected UST valves indicate PCB at 2 ppm, and the following semi-volatiles:

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Anthracene	320 ppb
Benzo (a) anthracene	560 ppb
Benzo (b) fluroanthene	900 ppb
Benzo (k) fluoranthene	760 ppb
Benzo (a) pyrene	980 ppb
Benzo (ghi) perylene	420 ppb
Chrysene	4800 ppb
Fluoranthene	1060 ppb
Fluorene	520 ppb
Naphthalene	680 ppb
Phenanthrene	1280 ppb
Pyrene	1320 ppb
Phenol	240 ppb

The liquid sample from the UST valve area contains 246 ppm of phenol. The soil sample at the extreme north of the lot at the suspected 2nd valve from the UST indicates 13 ppm of PCB.

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	SULFIDES	RCRA CH.	ORGANICS	CS_2/THF	ASBESTOS
MMS-111990-050 (SurfaceSoil, Spill)	None Detected	None Detected	None Detected	None Detected	N/A	N/A	ug/kg Phenanthrene 200 Pyrene 280	N/A	N/A
MM-112790-63 (SurfaceSoil & Debris)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	35% Chrysotile
MM-112790-62 (Tank Scale)	None Detected	CM.73mg/L	None Detected	None Detected	168 mg/kg	N/A	ug/kg Benzo(a)Anthracene 600 Chrysene 820 Fluoranthene 600 Phenanthrene 880	None Detected	N/A
MM-112790-064 (Crushed Drum)	None Detected	None Detected	None Detected	None Detected	None Detected	N/A	NO-VOA/BNA ug/kg Anthracene 220 Benzo(a)Anthracene 1120 Benzo(k)Fluoranthene 620 Benzo(b)Fluoranthene 610 Benzo(ghi)perylene 340 Benzo(a)pyrene 300 Chrysene 1600 Fluoranthene 500 Napthalene 800 Phenanthrene 1200 Pyrene 1620	None Detected	N/A
MM-112790-065-A (Suspected UST Soil-South Valve)	PCB -1280 2 ppm	None Detected	N/A	N/A	N/A	pH 7.5 NOT Ignitable	NO-VOA/BNA ug/kg Anthracene 320 Benzo(a)Anthracene 560 Benzo(b)Fluoranthene 900 Benzo(k)Fluoranthene 760 Benzo(ghi)perylene 420 Benzo(a)pyrene 980 Chrysene 4800 Fluoranthene 1060 Napthalene 680 Phenanthrene 1280 Pyrene 1320 Phenol 246	N/A	N/A
MM-112790-065-B (Suspected UST Water-South Valve)	None Detected	None Detected	N/A	N/A	N/A	pH 7.0 Flashpoint = >140°F	Phenol 246 ug/L	N/A	N/A
MM-112790-066 (Suspected UST Soil North Valve)	PCB -1260 13 mg/kg	None Detected	N/A	N/A	N/A	pH 7.7 Ig-None	None Detected	N/A	N/A

ORIGINAL (Red)

ORIGINAL (Red)

LOT 21

LOCATION AND HISTORY

Lot 21 is located on the southwestern border of the site, adjacent to Penn Avenue on the south-eastern side. This lot contained the absorbers for solvent recovery operations, lacquer mix processes, and the alcohol distillation units. All of the buildings have been demolished and the processes have been removed from the site.

CURRENT CONDITIONS OF THE LOT

The surface of this lot is covered with cinder/slag, rock and building debris. There is asbestos debris spread throughout the area of the lot. At the south end of the lot an abandoned underground storage tank is laying on the ground. There is a pile of blue stained sand near the road on the northeast side of the lot. A large mound of soil undercovered by visquene was found in the center of the lot, and there is some organic smelling soil near the center of the lot. A crushed drum containing some solids/ash was also located near the center of the lot.

SAMPLING AND RESULTS

The suspected contamination was based on the history and the existing conditions of this lot. Samples were collected from the different soil and sand piles, asbestos debris on the ground and solids from the crushed drum. Also, the valve openings of the UST were tested for any organic fumes. A test pit was dug for subsurface soil sampling.

The results (Table 8.13) indicate that there is 20 - 25% chrysotile and 10% amosite in the asbestos debris. Semi-volatile organics range from:

Anthracene	1200 - 1400 ppb,
Benzo (a) anthracene	2600 - 3864 ppb
Benzo (b) fluroanthene	3335 - 4100 ppb
Benzo (k) fluoranthene	2400 - 3864 ppb
Benzo (a) pyrene	2340 - 2944 ppb
Benzo (ghi) perylene	874 ppb

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Chrysene	4140 - 4500 ppb
Dibenzo (a,h) anthracene 253 ppb	
Fluoranthene	7084 - 11140 ppb
Fluorene	520 ppb
Indeno (1,2,3-cd) pyrene	1334 ppb
Naphthalene	560 ppb
Phenanthrene	4025 - 5680 ppb
Pyrene	4280 - 4968 ppb

The analysis for PCB's indicate that the blue stained sand contains 350 ppm of PCB. The stained soil and spill residue contains 2 ppm of PCB.

The results from the subsurface soil sample testing does not indicate the presence of any chemical substances within the analysis parameters.

SAMPLE NUMBER/LOCATION	PCB's	TCLP Metals	TCLP Herbicides Pesticides	TCLP Volatiles Semi-Volatiles	SULFIDES	RCRA CN.	ORGANICS	ASBESTOS PCM
MMS-111990-051 (Surface Soil,Oily Spill)	PCB -1280 2 mg/kg	None Detected	None Detected	None Detected	N/A	N/A	ug/kg Acenaphthene 506 Anthracene 1210 Benzo(a) Anthracene 3860 Fluoranthene 3330 Benzo(k) Fluoranthene 3860 Benzo(ghi) perylene 874 Benzo(a) pyrene 2940 Chrysene 4500 Dibenzo(a,h) anthracene 251 Fluoranthene 7080 Fluorene 506 Indeno(1,2,3-cd) pyrene 1330 Phenanthrene 4020 Pyrene 4960	N/A
MH-112790-057 (Surface Soil & Debris)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20% Chrysotile
MH-112790-058 (SurfaceSoil on visquene)	None Detected	Pb 0.410mg/L	None Detected	None Detected	N/A	N/A	ug/kg Acaenaphthene 340 Anthracene 1400 Benzo(a) Anthracene 2800 Benzo(b) Fluoranthene 4100 Benzo(k) Fluoranthene 2400 Benzo(a) pyrene 2340 Chrysene 4140 Fluoranthene 11140 Fluorene 520 Napthalene 560 Phenanthrene 5680 Pyrene 4280	N/A
MH-112790-059 (Surface Soil and blue Sand)	PCB -1260 350 ppm	None Detected	N/A	N/A	None Detected	N/A	N/A	N/A
MH-112790-060 (Crushed Drum)	None Detected	None Detected	N/A	N/A	N/A	N/A	BNA None Detected	N/A
111990-1B (SurfaceSoil and Debris)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25% Chrysotile 10% Amosite
MHF-120490-102 (Test Pit) TP-21-01	None Detected	None Detected	No Herbicides	None Detected	N/A	N/A	N/A	N/A

ORIGINAL (Red)

ORIGINAL (Red)

LOT 22

LOCATION AND HISTORY

Lot 22 is approximately 1.26 acres located at the southern corner of the site. This area contained cellulose storage tanks and a tank farm during FMC operations.

CURRENT CONDITIONS OF THE LOT

These cellulose storage tanks have been demolished and backfilled with debris and soil. Black cinder and debris cover most of this lot. Dead rats were found at the extreme southern corner of the lot.

SAMPLING / RESULTS

Surface soil samples were collected from and around the area where the dead rodents were found. Composite samples from the cinder piles were collected. These samples were analyzed for organics (volatiles and semi-volatiles), carbon disulfide, PCB's, sulfides and Toxicity Characteristics. The analyses results (Table 8.14A and 8.14B) indicated that the surface soils at the extreme southern corner of the lot contains:

1,1,1-Trichloroethane	12-25 ppb
Anthracene	560 ppb
Benzo (a) Anthracene	200 - 1800 ppb
Benzo (b) Fluroanthene	460 - 2480 ppb
Benzo (k) Fluoranthene	480 - 2880 ppb
Benzo (ghi) perylene	540 ppb
Benzo (a) Pyrene	1100 - 1500 ppb
Chrysene	800 - 2900 ppb
Fluoranthene	240 - 2420 ppb
Fluorene	280 - 1060 ppb
Indeno (1,2,3-cd) pyrene	580 ppb
Naphthalene	280 - 380 ppb

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Phenanthrene	300 - 1900 ppb
Pyrene	720 - 3280 ppb

The analysis indicated the presence of sulfides at 71.0 ppm from the cinder piles. TCLP - metal results indicate lead concentrations at 9.72 at the western fenceline along a foot path.

Two test pits were dug for taking subsurface soil samples. During the digging operations of the test pit TP-22-1 the trackhoe bucket struck a rod. This apparently punctured some kind of an underground storage tank or containment structure. The test pit filled with brownish liquid. The liquid did not show any readings on the PID, FID or H_2S meters. A strong SO_2 odor was noted. A sample of the liquid was taken for analysis and the test pit was backfilled.

The two subsurface-soil samples were analyzed for PCB's, Toxicity Characteristics and Total-metals, VOA, and BNA. The liquid sample from the suspected underground tank was analyzed for VOA, BNA, RCRA Characteristics, and for Toxicity Characteristics.

The results for the test pits indicate the following data:

Test Pit # 2

TCLP - metals

Lead	1.35 ppm

Test Pit # 3

Total Metals

Arsenic	28.7 mg/Kg
Barium	80.0 mg/Kg
Chromium	12.3 mg/KgLead744 mg/Kg
Mercury	0.145 mg/Kg

LOT 22
Table 8.14a

Sample Number/Location	THF/CS_{22}	PCB's	TCLP Herbicides Pesticides	Organics
MNS-111990-052 (Surface Soil, Organic odor)	N/A	2 ppm	None Detected	ug/kg Benzo(a)anthracene 200 Benzo(b)fluoranthene 460 Benzo(a)fluoranthene 480 Chrysene 800
				ug/kg Benzo(a)anthracene 820 Benzo(b)fluoranthene 2480 Benzo(k)fluoranthene 2880 Chrysene 2060
MNS-112790-054 (Surface Soil, Footpath)	None Detected	None Detected	None Detected	ug/kg Anthracene 560 Benzo(a)anthracene 1800 Benzo(b)fluoranthene 1540 Benzo(k)fluoranthene 1580 Benzo(ghi)perylene 540 Benzo(a)pyrene 1500 Chrysene 2900
MH-112790-055 (Cinder Pile)	N/A	None Detected	N/A	N/A
MH-112790-056 (Cinder Pile)	N/A	None Detected	N/A	N/A
MHF-120390-095 (Suspected UST / PIT Test)	N/A			
MHF-120490-100 (Test Pit) TP-22-2	N/A	None Detected	None Detected (OnlyHerbicides)	N/A
MHF-120490-101 (TestPit) (TP-22-3)	Tot.Metals mg/kg As 28.7 Ba 80.0 Cr 12.3 Pb 74.4 Hg 0.145	N/A	N/A	None Detected

ORIGINAL (Red)

LOT 22

Table 8.14b

SAMPLE NUMBER/LOCATION	TCLP Metals	TCLP Volatiles Non-Volatiles	SULFIDES
MHS-111990-052 (Surface Soil organic odor)	None Detected	None Detected	N/A
MHS-111990-053 (Surface Soil footpath)	Pb 9.72 mg/L	1,1,1-Trichloroethane 25 ug/kg No TCLP - Only GC/MS	
MHS-112790-054 (Surface Soil Dead Rat)	None Detected	None Detected-TCLP 1,1,1-Trichloroethane 12 ug/kg	None Detected
MH-112790-055 (Cinder Pile)	None Detected	N/A	None Detected
MH-112790-056 (Cinder Pile)	None Detected	N/A	71.0mg/kg
MHF-120390-095 (Suspected UST/PIT Test)	TCLP - None Detected Total Metals Pb 0.190mg/L Ba 0.380mg/L		
MHF-120490-100 (Test Pit) TP-22-2	Pb 1.35mg/L	None Detected	N/A
MHF-120490-101 (Test Pit) (TP-22-3)	N/A	N/A	N/A

ND = None Detected to Level in Parentheses

ORIGINAL (Red)

ORIGINAL (Red)

LOT 23

LOCATION AND HISTORY

Lot 23 covers 4.23 acres and is located east of Building 7. Penn Avenue cuts off the east side of this lot. Lot 23 housed the spinning room, viscose cellar, spinning chemicals room, sheet metal shop, the electrical control center and the stack.

CURRENT CONDITIONS OF THE LOT

There is some construction debris around this lot and tall grass covers a major section of the area. There were three tunnel entrances discovered on this lot. Two of these tunnel entrances are situated along the stack. One tunnel appears to come out of building 7, and was not accessible.

SAMPLES / RESULTS

Two samples from test trenches were analyzed for PCB's. Sample MHS-110990-018 contained 1.4 ppm PCB and MHS-110890-015 had 158 ppm PCB as indicated in Table 8.15 attached.

Tab10.15
LOT23

SAMPLE NUMBER/LOCATION	PCB's
MHS-110890-015 (U.S.EPA Trenches)	158 ppm
MHS-110990-18 (U.S. EPA Trenches)	1.4 ppm

ORIGINAL (Red)

ORIGINAL (Red)

APPENDIX I

SAFETY, HEALTH AND EMERGENCY RESPONSE PLAN (SHERP)

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SAFETY, HEALTH AND EMERGENCY RESPONSE PLAN

U.S. EPA CERCLA Site

East 10th Street, Marcus Hook, Pennsylvania

1.0 INTRODUCTION

This Safety, Health and Emergency Response Plan was developed for the U.S. EPA CERCLA Site located at the East 10th Street, Marcus Hook, Pennsylvania 19061 ("CERCLA Site" or " Site "), by Environmental Health Research & Testing, Inc. (EHRT). It is based on all available site specific data collected and/or generated to date. The contents of this Safety, Health and Emergency Response Plan are subject to review and revision as new information becomes available.

1.1 PURPOSE

The purpose of this Safety, Health and Emergency Response Plan (SHERP) is to describe the chemical and safety hazards that may be present, and the precautions required to protect the public health and welfare, the environment and the health and safety of the on-site personnel while conducting removal assessment activities at the above site. A copy of the site location map is attached as Exhibit 1.

1.1.1 FACILITY INFORMATION

The site is located at EAST 10th Street, Marcus Hook, Pennsylvania. The site is approximately 30 acres in area, with 75% being used for commercial and 25% for residential purposes. The site has nine (9)

ORIGINAL (Red)

buildings with a total covered area of approximately four hundred twenty two thousand square feet (422,000 sq. ft.). This site has been occupied / used for the following purposes in the past:

Company	Period	Use
American Viscose	*1900-1910*	*Rayon Plant*
	1958-1963	*Cellophane Plant*
FMC Corporation	*1963-1975*	*Cellophane Plant*
Pittsburgh Group	*1978-*	*Demolition / Salvage*

A portion of the property is used for various businesses among them a closed day-care center, a senior fitness center and the Marcus Hook Community Development Corporations. The site had a NPDES discharge permit for.

The Site is in close proximity to the Delaware River (approx. 1 - 2 miles to the south) and is adjacent to the Marcus Hook Creek (east).

1.2 RESPONSIBILITIES

The U.S. EPA On-Scene Coordinator (OSC) will be responsible for enforcing this SHERP for all EHRT employees and visitors during on-site activities at the CERCLA Site. The on-site EHRT Response Manager will be responsible for implementing this plan for EHRT personnel and will report directly to the OSC on all project related health and safety matters. The EPA designated OSCs are listed in Attachment 2. In the event that an emergency situation arises, the EPA OSC will coordinate with all Federal, state and local Emergency Response units and also has the authority to intercede directly and stop any unsafe practices. Primary responsibilities of the on-site EHRT Response Manager include:

A. *Coordinate all emergency response activities with the EPA OSC.*

ORIGINAL (Red)

B. *Review and confirm any changes in personal protective clothing or respiratory protection requirements.*

C. *Provide overall supervisory control for EHRT personnel for all health and safety protocols in effect for the project.*

D. *Establish and ensure compliance with site control procedures and areas.*

E. *Conduct training sessions in proper use and maintenance of personal protective clothing and equipment if required.*

F. *Supervise the distribution, use and maintenance of personal protective clothing and equipment.*

G. *Stop work when unacceptable safety risks exist.*

H. *Supervise decontamination to ensure complete decontamination of all personnel, tools and equipment.*

I. *Prepare any accident/incident reports.*

J. *Assure that all personnel on-site are acquainted with the provisions of this SHERP, particularly the toxicologic properties of present or suspected materials.*

All Personnel on-site will comply with the guidelines in this SHERP and will perform work safely. Specific employee responsibilities include:

A. *Read and understand this SHERP.*

B. *Perform work safely.*

C. *Report any unsafe conditions to their immediate supervisor.*

D. *Be aware and alert for signs and symptoms to exposure to site contaminants.*

ORIGINAL (Red)

2.0 ENVIRONMENTAL INCIDENTS

An environmental incident involves a release or threat of a release of a hazardous substance that can pose an imminent and substantial danger to public health and welfare, or the environment. Response personnel must evaluate these problems and determine an effective course of action to mitigate the incident. Any incident represents a potentially hostile situation. While the response activities needed at each incident are unique, there are many similarities. One is that all responses require protecting the health and ensuring the safety of the responders while mitigating the hazards to ensure continued public health and welfare and protect the environment.

2.1 EXPOSURES TO TOXIC SUBSTANCES

Toxic or chemically active substances present a special concern because they can be inhaled, ingested, injected, or absorbed through the skin. The effects of these substances can vary significantly. Two types of potential exposure exist:

A. *Acute: Exposures that occur for relatively short periods of time, generally hours to 1-2 days. Concentrations of toxic air contaminants which may be inhaled are high relative to their protection criteria. Substances may contact the skin directly through splashes or immersion with potentially serious results.*

B. *Chronic: Exposures that occur over longer periods of time generally months to years. Concentrations of toxic air contaminants are relatively low.*

The continued health and safety of response personnel requires that the hazards, real or potential, at an incident be assessed and appropriate preventative measures instituted.

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2.2 ROUTES OF ENTRY

Chemical substances may occur in gaseous, liquid or solid form. The substances may enter the unprotected body by inhalation, skin absorption, ingestion or injection.

A. *Inhalation: An important route of concern is inhalation: the lungs are extremely vulnerable to chemical agents. Evaluation of inhalation hazards is performed through air monitoring. This evaluation will be used to determine the proper level of respiratory protection.*

B. *Skin Absorption: Direct contact of the skin and eyes is another important route of entry. Chemicals may directly injure the skin or pass through the skin into the bloodstream. Proper protective clothing selection minimizes the risk of skin absorption.*

C. *Ingestion: Ingestion should be the least significant route of entry, yet it is important to be aware of how it may occur. Personal habits such as chewing gum or eating in an area of potential contamination may provide a route of entry for chemicals, therefore these habits must be avoided.*

D. *Injection: The last primary route of entry is injection. Chemicals are introduced to the body through a wound, primarily puncture wounds. Proper protective equipment is provided to avert this hazard.*

3.0 HAZARD ASSESSMENT

This section presents the hazard analysis summary for conditions and hazardous substance categories known to be present at the CERCLA Site. During emergency response activities at this site, all incidents, accidents and potential exposures must be immediately reported to the EPA OSC.

3.1 Physical and Health Hazards

A. *Fire Hazards: During all on-site activities smoking is prohibited. Only non-sparking tools will be utilized. Care must also be taken with all equipment in order to reduce the*

ORIGINAL (Red)

possibility of sparks or open flames. Flammability will be covered in more detail in Section 3.1.1.

B. *Heat Stress: Workers wearing impermeable clothing on the job may encounter heat stress conditions. Heat stress monitoring will be implemented when ambient temperatures exceed 700 °F. Heat stress will be addressed in Section 10.*

C. *Cold Stress: Personnel working outdoors in temperatures at or below freezing may suffer cold stress. Cold stress will be addressed in Section 11.*

3.1.1 Flammability

Flammable substances are those which readily catch fire and burn in air. The flammable liquid itself does not burn; it is the vapors from the liquid that burn. The rate at which different liquids produce flammable vapors depends on the vapor pressure, which increases with temperature. For a fire to occur, three distinct conditions must exist simultaneously: a concentration of flammable gas or vapor that is within the flammable limits of the substance; an oxidizing atmosphere, usually air; and a source of ignition. Removal of any of the three will prevent the start of a fire or extinguish an existing fire. In most situations, air cannot be excluded, therefore care should be taken to prevent the coexistence of flammable vapors and ignition source. All ignition sources (i.e. flames, static electricity, hot surfaces) will be eliminated during work around flammable materials. The vapors of most flammable liquids are heavier than air and capable of traveling considerable distances. This possibility should be recognized with a special note taken for ignition sources at a lower level. If the path of vapor within the flammable range is continuous, the flame will propagate itself from the point of ignition back to the source. Flammable chemicals thought to be located at this site will be covered in Section 3.2.1.

ORIGINAL (Red)

3.1.2 Corrosive Substances

Corrosive material includes any liquid, solid or gaseous substance that attacks building materials and metals, burns, irritates or destructively attacks organic tissues, most notable the skin and when taken internally, the lungs and stomach. When responding to a spill of a corrosive material, extreme care should be taken to avoid contact with the skin and eyes. If contact with the skin and/or eyes occur immediately flush the area with copious amounts of water and observe the area for irritation. Inhalation of vapors or mists of caustic/corrosive material can cause severe bronchial irritation. If the spill situation exhibits fuming or vaporous conditions, self-contained breathing apparatuses (SCBAs) will be utilized. The Site Safety Officer (i.e. the OSC) will make the final decision in the level of protection to be worn in emergency response situations. Corrosive chemicals believed to be located at this site will be covered in Section 3.2.3.

3.1.3 Acute and Chronic Health Effects

Acute effects produce symptoms during or shortly after exposure to a sufficiently high concentration of a chemical substance; the concentrations that produce such effects vary according to chemical. Chronic effects result from exposure to relatively low concentrations of a contaminant over a long period of time and health effects may not be evident for years. Chronic effects vary by chemical, duration of each exposure and number of exposures. The same chemical may produce acute effects that are very different from those resulting from chronic exposures. For either chronic or acute exposure, the toxic effect may be temporary or reversible, or may be permanent. Some chemicals cause obvious symptoms such as burning, coughing, nausea, tearing eyes or rashes. Others may cause health damage without any such warning signs (this is a particular concern for chronic exposures to low concentrations). Chemicals located at this site which possess characteristics that can produce acute and chronic health effects will be covered in Section 3.2.4 and 3.2.5.

ORIGINAL (Red)

3.2 HAZARDOUS SUBSTANCES

This section will provide a breakdown of the chemicals located at this site according to the hazards they demonstrate. EHRT employees should be aware that these substances may have more than one hazardous characteristic, and appropriate measures must be taken to control these hazards during an emergency response situation.

3.2 HAZARDOUS SUBSTANCES

This section will provide a breakdown of the chemicals located at U.S. EPA CERCLA East 10th Street Site (Marcus Hook, PA) according to the hazards they demonstrate. Site personnel should be aware that these substances may have more than one hazardous characteristic, and appropriate measures must be taken to control these hazards during an emergency response situation.

3.2.1 Flammable Substances

This section lists the chemical substances located throughout the EPA CERCLA East 10th Street Site in Marcus Hook, PA that have the characteristic of flammability:

Benzene	*Carbon Disulfide*
Xylene	*Ethyl Benzene*
Toluene	*Butyl Acetate*
Tetrahydrofuran	*Hydrogen Sulfide*

3.2.2 Pressure Release Hazard

A pressure release hazard refers to gases/materials that are contained under high pressure in cylinders or vessels, which may vent or discharge toxic, corrosive, flammable or otherwise hazardous or noxious material to the environment. There is one unknown gas cylinder which may be classified as pressure release hazard located at the EPA CERCLA East 10th Street Site in Marcus Hook, PA.

3.2.3 Reactivity Hazard

Reactive chemicals are classified as those which have the ability to be unstable, explosive, reactive with other material. Reactive chemicals located at the EPA CERCLA East 10th Street Site in Marcus Hook, PA are as follows:

Sodium Hypochlorite
Sodium Hydroxide
Butyl Acetate
Ethyl Benzene
Carbon Disulfide
Acids
Hydrogen Sulfide

3.2.4 Acute Health Hazards

Acute health hazards/exposure refers to a short-term exposure of seconds, minutes or hours, but within a period of one day (24 hours). It is generally a single exposure but may be several intermittent exposures. This type of exposure may cause immediate toxic effects, but the effects could be delayed. Some common symptoms of acute exposures are: skin irritation (rash, blisters), dizziness, headache, and eye/throat irritation. Acute exposures should be treated immediately with appropriate first aid remedies on site and treatment by a medical physician when necessary. The following is a listing of the Site chemical classified as having acute exposure effects:

Xylene
Toluene
Sodium Hydroxide
Trichloroethane (TCA)
Sodium Hypochlorite
Benzene
1,1 Dichlorethylene (DCE)
Chloroform
Carbon Disulfide
Asbestos
Polychlorinated Biphenyls (PCBs)
Acids
Butyl Acetate
Trichloroethylene (TCE)
Tetrahydrofuran
Ethyl Benzene
1,2 Dichlorethylene
Hydrogen Sulfide

3.2.5 Chronic Health Hazards

A chronic health hazard/exposure is one of a long duration that occurs over days, weeks, months or years. It may be a prolonged or repeated exposure and can occur with chronic low doses. Warning signs are

not always present and the damage is irreversible. Because of long term effects, remedies are seldom known or printed on product labels. Some common effects of chronic exposure are liver disease, kidney disease, pulmonary disease, paralysis, cancer and birth defects. The chemicals present at the EPA CERCLA East 10th Street Site in Marcus Hook, PA which have the potential for chronic health effects are as follows:

Xylene	*Chloroform*
Toluene	*Lead*
Sodium Hydroxide	*PCBs*
Trichloroethane	*Benzene*
Tetrahydrofuran	*Butyl Acetate*
Ethyl Benzene	*1,1 Dichloroethylene*
1,2 Dichloroethylene	*Trichloroethylene*
Carbon Disulfide	*Asbestos*
Hydrogen Sulfide	

3.3 ENVIRONMENTAL MONITORING

The ongoing process of monitoring atmospheric chemical hazards will be conducted by EHRT personnel during emergency response activities. This will be a continual evaluation due to the potential for changes in vapors that may be released during site operations. An appropriate environmental monitoring instrument will be utilized during emergency response operations. Personnel operating the monitoring instruments will be qualified and trained in the principles and procedures associated with the specific monitoring instrument.

ORIGINAL (Red)

3.4 DETECTION LEVELS AND PROTECTION REQUIREMENTS

PARAMETER.		LEVEL OF PROTECTION
Unknown situations		*OSHA Level A*
		OSHA Level B
*Extreme pH***	*> 3 and < 12*	*OSHA Level C **
Organic Vapors	*> 100 ppm*	*OSHA Level B*
	< 100 ppm	*OSHA Level C*

*** Emergency response situations involving spills of extreme pH materials, above the parameters will be addressed on an individual basis depending upon the amount of material and the type spilled.*

4.0 SITE WORK ZONES

The establishment of work zones will help ensure that all personnel are properly protected against the hazards present where they are working and that work activities and contaminants are confined to the appropriate areas. During emergency response operations at this site, EHRT will establish and maintain three (3) control zones, they are as follows:

A. *Exclusion Zone: The area where contamination does or could occur. The outer boundary of the exclusion zone is called the "Hotline". It will be clearly marked with banner guard. An access control point will be established and all personnel entering the exclusion zone wear the designated level of protective equipment.*

B. *Contamination Reduction Zone (CRZ): The CRZ is the area between the contaminated area and the clean area. This zone is designed to reduce the probability that the clean zone will become contaminated. Decontamination procedures will take place in the CRZ.*

C. *Support Zone: The support zone is the uncontaminated area where workers will not be exposed to hazardous substances. It is also the location of the support functions needed to keep operations running smoothly. Support zone personnel are responsible for alerting the EPA OSC in the event of an emergency.*

ORIGINAL (Red)

4.1 BUDDY SYSTEM

Site operations will be scheduled so that no EHRT employee works alone in the exclusion zone or contamination reduction zone at any time. All workers will maintain visual contact at all times. The buddy system will prevent an employee from becoming heat stressed or chemically intoxicated without a co-worker being aware of his condition. The buddy system will also enable the pairs of co-workers to "watch out" for each other while in the proximity of potential chemical and physical work hazards, and to notify one another of the integrity of personal protective equipment.

5.0 PROTECTIVE EQUIPMENT ENSEMBLE

The purpose of personal protective equipment and clothing is to isolate individuals from chemical and physical hazards. The three levels of protection that may be utilized during site activities at the Coors Ceramics - 9th Street facility are OSHA Level A, OSHA Level B, and OSHA Level C. During emergency responses, Level A or Level B will be worn (dependent upon situation) until the levels of hazards are known at which point the level of protection may be downgraded.

5.1 LEVELS OF PROTECTION

A. *OSHA Level A:**

1. *Self-Contained Breathing Apparatus (SCBA).*
2. *Hazardous Atmosphere Suit (Class A).*
3. *Nitrile/Neoprene inner gloves.*
4. *Tyvek/Saranex inner suit.*
5. *Hard Hat.*
6. *Steel toed safety boots.*
7. *Hearing protection (where required).*

ORIGINAL (Red)

B. *OSHA Level B:**

1. *Self-Contained Breathing Apparatus (SCBA)*
2. *Saranex full body coveralls*
3. *Neoprene outer gloves*
4. *Cotton inner gloves*
5. *Hard hat with face shield*
6. *Steel toed rubber boots*
7. *Rubber boot covers (where applicable)*
8. *Taped wrist and ankle joints*
9. *Chemical goggles (where applicable)*
10. *Hearing protection (where applicable)*
11. *Safety glasses (where applicable)*
12. *Scott air-pak or equivalent (for escape purposes)*

C. *OSHA Level C:**

1. *Half-face/Full-face air purifying respirator with appropriate chemical cartridge*
2. *Tyvek/Saranex coveralls*
3. *Neoprene outer gloves*
4. *Cotton inner gloves*
5. *Hard hat with face shield*
6. *Steel toed rubber boots*
7. *Rubber boot covers (where applicable)*
8. *Taped wrist and ankle joints*
9. *Chemical goggles (where applicable)*
10. *Hearing protection (where applicable)*

11. Safety glasses (where applicable)

** Protective clothing material must be compatible with the identified hazardous substances released. In an unknown situation the material providing the highest overall protection will be utilized.*

6.0 DECONTAMINATION

All personnel, clothing and equipment leaving the contaminated area of the site will be decontaminated to remove any harmful chemicals. The decontamination facilities will be located in the contamination reduction zone. The decontamination procedures will be an organized process, with a series of stations to provide the maximum level of decontamination. The decontamination area will be clearly defined and equipped with all necessary equipment. All equipment/solutions used for decontamination will also be decontaminated and/or disposed of properly.

7.0 MAINTENANCE AND IN-USE INSPECTION OF PROTECTIVE EQUIPMENT

Personal protective equipment offers a high degree of protection, yet the equipment must be maintained and inspected on a regular basis.

A. *Gloves and full body coveralls - Gloves and full body coveralls will be inspected and replaced promptly if a tear develops.*

B. *Respirators - Respirators will be inspected and leak-checked daily. Respirator cartridges will be replaced daily, or more frequently if excessive resistance develops. All respiratory maintenance will be performed by the EHRT Response Manager. Respirators will be cleaned daily. Each individual will be assigned exclusive use of a respirator.*

C. *Self Contained Breathing Apparatus (SCBA) - SCBA's will be checked prior to each use. The SCBA will be properly stored to protect against dust, sunlight, heat and moisture. The SCBA will be ready for usage in the event an emergency situation arises.*

ORIGINAL (Red)

8.0 TRAINING

All EHRT personnel have been trained in accordance with OSHA standards (29 CFR 1910.120), along with site specific training given before actual work begins on the site. Site specific training includes an overview of the site hazards and the means of controlling the hazards, site safety plan, safe use of field equipment, and the use, care and limitations of personal protective equipment. All employees wearing respiratory protection have been fit tested. A record of training is maintained in each employees personnel file.

9.0 MEDICAL MONITORING

All EHRT employees have received an extensive pre-employment medical screening in accordance with OSHA standards. Personnel also receive periodic and follow-up examinations when appropriate. All personnel are determined to be fit for work which may require strenuous tasks and the wearing of personal protective equipment. All medical monitoring information is properly documented and is maintained in each employees personnel file.

10.0 HEAT STRESS

Employees wearing personal protective equipment are at a considerable risk for developing heat stress. Heat stress problems can range from heat fatigue to heat stroke. There are a number of interacting factors that may contribute to heat stress - environmental conditions, type of protective equipment, workload, and the individual characteristics of the employee.

10.1 DISORDERS OF HEAT STRESS

A. *Heat Fatigue:* *Symptoms include decreased productivity, alertness, coordination, and vigilance. The cause for heat fatigue is generally not being acclimated to hot environments; a gradual adjustment to the hot environment is the treatment.*

B. Heat Rash: *Symptoms include a rash in areas of heavy perspiration. The cause is that perspiration is not easily removed from the skin surface, due to wearing impermeable protective clothing. Periodic resting in a cool area with removal of the protective clothing is the treatment.*

C. Heat Cramps: *Symptoms include painful spasms of heavily used skeletal muscles. The cause is loss of salt, which allows excessive water to seep into active muscles and cause muscle pain. Adequate salt intake with meals and consumption of water or an electrolyte balanced drink over a gradual period of time is the treatment.*

D. Heat Exhaustion: *Symptoms include extreme weakness or fatigue, nausea, headache, pale or flushed complexion (body temperature is normal or slightly elevated), moist skin and possible vomiting. The cause is loss of water and/or salt which causes a strain on the circulatory system. Rest in a cool area and adequate fluid intake is the treatment.*

E. Heat Stroke: *Symptoms include skin being hot, dry, red or spotted, body temperature is above 104 degrees F, mental confusion, convulsions, possible unconsciousness. Death or permanent brain damage may result unless treated immediately. The cause is the body's thermo-regulatory system breaks down under stress, sweating stops, and the body is unable to remove excess heat. Remove the victim to a cool area, soak clothing with water, call ambulance immediately.*

The two more serious disorders of heat stress are heat exhaustion and heat stroke, they require prompt medical treatment. The ultimate goal of prevention can be accomplished by acclimating workers, encouraging fluid intake, and providing rest periods out of the heat.

ORIGINAL (Red)

11.0 COLD STRESS

A. Frostbite: *Persons working outdoors in temperatures at or below freezing may be frostbitten. Extreme cold for a short period of time may cause severe injury to exposed body surfaces, or result in profound generalized cooling, causing death. Areas of the body which have high surface area-to-volume ratio such as fingers, toes, and ears are the most susceptible. Additionally water conducts heat 240 times faster than air. Thus the body cools suddenly when chemical protective clothing is removed if the clothing underneath is perspiration soaked. Local injury resulting from cold is included in the generic term "frostbite". There are several degrees of damage. Frostbite of the extremities can be categorized into:*

1. *Frost nip or incipient frostbite - sudden blanching or whitening of the skin.*
2. *Superficial frostbite - skin has a waxy or white appearance and is firm to the touch, but tissue beneath is resilient.*
3. *Deep frostbite - tissues are cold, pale and solid; extremely serious injury.*

B. Systemic Hypothermia: *The treatment of systemic hypothermia is an acute priority item, requiring the prompt transfer of the patient to the emergency department. If the core temperature is between 81 degrees F and 95 degrees F, treatment can be directed toward reducing heat loss by moving the victim out of the wind, replacing wet clothing, and adding insulation material such as blankets to cover all exposed skin surfaces. External heat must be supplied, since the body is unable to generate its own. Victims with severe hypothermia (core temperature below 80 degrees F) should not be rewarmed, the danger of complications is severe. The patient should be kept with the head down and transported to the emergency department immediately. Even though pulseless, without respirations and*

exhibiting a core temperature below 80 degrees F, the person still may not be dead.

- *Victims have been revived without brain damage, under such circumstances.*

11.1 FIRST AID FOR FROSTBITE

First aid for frostbite is to bring the victim indoors and rewarm the areas quickly in water between 39 and 41 degrees C. Do not allow the water temperature to exceed 41 degrees C (105 degrees F). Give warm liquids to drink. Keep the frozen part(s) in warm water or covered with warm cloths for 30 minutes, even though the tissue will be very painful as it thaws. Then elevate the injured areas and protect for injury. Do not allow the blisters to be broken. Use sterile, soft, dry material to cover the injured area; dry, sterile gauze can be placed between injured toes and fingers. Keep the victim warm and get immediate medical attention.

1. *Do not rub the frostbitten part, this may cause tissue death - gangrene.*
2. *Do not use ice, snow or anything cold on frostbite.*
3. *Do not use heat lamps or hot water bottles to rewarm the frostbitten part.*
4. *Do not place the part near a hot stove or fire.*

12.0 CONTINGENCY PLAN

Emergency conditions that may be anticipated during work activities include:

A. *Fire involving combustible materials.*

B. *Medical emergency due to heat stress, physical accident or exposure to toxic materials.*

C. *Release of hazardous materials.*

ORIGINAL (Red)

12.1 AUTHORITY

EPA OSC has the authority to stop work and implement this contingency plan. The OSC will have the authority to dedicate any and all company resources necessary to contain and/or remediate an emergency situation.

12.2 EMERGENCY EQUIPMENT

The following equipment must be kept in the work zone:

A. *Portable emergency eyewash*

B. *Two 20-pound ABC-rated fire extinguisher*

C. *Scott air-pak or equivalent for emergency/escape purposes*

D. *An adequately stocked first aid kit.*

12.3 EMERGENCY PROCEDURES

All emergency conditions are to be reported to the EHRT Response Manager immediately. The EHRT Response Manager will report the emergency to the designated EPA OSC. An appropriate response will be taken. **EPA Notification System: (215) 597-9898 (24 hrs)**

12.3.1 FIRE

The fires extinguisher located in the work zone will only be used to control small fires. In the event of a large fire or explosion, EHRTs employees will in no way engage in fire fighting activities, only if the activity is of a support nature and poses no health or safety hazards. If an uncontrolled fire does erupt, EHRTs personnel will notify the appropriate CERCLA personnel and support agencies and then proceed to an designated safe area. **Fire: (215) 565-4545**

ORIGINAL (Red)

12.3.2 MEDICAL

All life threatening injuries or illnesses are to be treated at the following hospital:

Sacred Heart Medical Center	**(215) 494-4327 (24 hrs)**
Ninth and Wilson Streets	**Ambulance (215) 565-4545**
Chester, PA	

If a life threatening injury or illness occurs arrangements will be made for the quickest transportation to the hospital. All non-life threatening injuries or illnesses will be treated at the site when appropriate, or if an eye splash injury occurs, EHRT personnel will utilize a portable eyewash to begin initial treatment procedures. Once the eye has been flushed with significant amounts, the victim will be transported to the designated hospital for further medical treatment.

13.0 SITE SAFETY MEETING

A site safety meeting will be given by the Safety Officer/Response Manager to all EHRT employees prior to the start-up of each days work activities and emergency response activities. The safety meetings will cover all aspects of this SHERP an any site specific additions. The meeting will cover each days work activities, personal protective equipment and clothing, safety rules, and an outline of specific job functions. Questions from personnel will be addressed. Copies of the Site Safety Meeting form and SHERP Compliance form are attached as Exhibit 4.

14.0 EMERGENCY CONTACTS AND PHONE NUMBERS

A comprehensive listing of emergency contacts and phone numbers is included as Exhibit 5. This includes EHRT Emergency Response Procedures, personnel and pager numbers along with emergency phone numbers to be utilized when working at this site.

ORIGINAL (Red)

SHERP
SIGN UP SHEET

I have read the SHERP and I understand its contents.

NAME	AFFILIATION	DATE / TIME

ORIGINAL (Red)

EHRT - MARCUS HOOK SITE

CONFINED SPACE ENTRY

SAFETY PROCEDURES

I PURPOSE

To define a procedure for the safe entry into confined spaces for the purpose of effecting required repairs, sampling, and inspection /or testing in that area.

II SCOPE

This procedure applies to all EHRT personnel.

III PROCEDURE

A. For the purposes of this procedure, a confined space is defined as any space, open or closed, in which poisonous gases or flammable vapors have been present or might accumulate or where a deficiency of oxygen might occur. These spaces include, but are not limited to, tanks, tank trucks, vats, receivers, hoppers, bins, boilers, kilns or other similar vessels; also included are stacks, chimneys, sewers, trenches, pits, manholes, tunnels, etc. that are 5 feet or more in depth from which egress is or may become restricted.

B. Section IV of this instruction establishes the rules which must be followed in entering a confined space. Each site must survey their enclosed spaces to ascertain whether or not the minimum requirements can be met. Where these rules cannot be met, rules to insure the safety of entering personnel must be written on site and forwarded to the division safety and loss control department for approval. Variations requested must be fully explained in an accompanying letter, approved by the On Scene Coordinator.

ORIGINAL (Red)

C. All confined spaces (tunnels) to which this procedure applies should be marked on the map and provided to all employees on the site.

D. No employee is to enter any confined space without the safety meeting with the Response manager, responsible for the area. Team leader in charge of the crew entering the confined space, the OSC and the individual conducting the atmosphere tests prescribed, the standby observer/watcher and each person entering the confined space must be present for the meeting and . The signatures will indicate the understanding of the rules as outlined the understanding of the rules as outlined in the Confined Space Entry Safety Procedures.

E. A safety meeting will be held every morning during which the confined space entry procedures, safety and risk factors will be discussed by the response manager, if the crew is entering a confined space (tunnel) during that day.

F. Confined space entry at any time other than the normal day shift of a normal work day should be avoided as much as possible. When entry at times other than those stated above is necessary, prior authorization of the OSC is required or his/her delegated authority is required before initiation. Before any such authorization is given, the OSC or his/her delegated authority shall be satisfied that there will be adequate, competent assistance available on site in the event of an emergency. The presence of the Response Manager is required for the duration of the job.

G. It will be the primary responsibility of the Response Manager to see that all safety conditions and practices continue to be met for the duration of the job.

H. Every attempt has been made to make the rules established by SHE foolproof as possible.

ORIGINAL (Red)

IV. RULES

The following rules apply to all confined spaces unless specific variations have been received, in writing, from the Response Manager.

A. General Rules

1. Confined spaces must be tested for flammable vapors, toxic gases and oxygen deficiency prior to entry. In addition, the monitoring devices must continually monitor the confined space atmosphere for the duration of the entry. An audible alarm must sound on the test unit when either the oxygen content falls below 19.5% or the flammable vapor rises above 10% of L.E.L. (lower explosive limit).

2. No confined space will be entered where the oxygen content is less than 19.5% unless positive pressure air-supplied respiratory protection is used.

3. No welding, cutting or use of spark producing tools is permitted in any confined space where the flammable vapor concentration is or becomes above zero on test unit.

4. Employees working in the confined space must be under the constant observation /radio contact of a crew member stationed at the bottom of the confined space entry point and one crew member stationed outside the confined space .

5. Every person entering an enclosed confined space must wear a rescue harness with life line attached.

6. When a ladder is required to enter any confined space (tank, or tunnels), the ladder must be secured at the top and must not be removed while anyone is inside.

7. Adequate illumination must be provided. Approved low voltage (24 volts or less) protected types must be employed.

8. An operator with a trackhoe will be on standby at all times when the crew enters the tunnels (confined space) in case of a cave in, to help the crew members dig out of the tunnels.

9. Additional equipment at the job site must include extra rope, harnesses, air supplied respiratory protective equipment.

ORIGINAL (Red)

C. Standby Observer Rules

1. Employees working inside a confined space must be under constant observation of a fully instructed observer. The observer should will be trained in first aid procedures in the event rescue becomes necessary.

2. Before anyone enters the confined space the standby observer will be briefed by the Response Manager on the following points:

   a) A valid confined space enter permit has been executed and posted.

   b) Rescue harness and life lines are available and used.

   c) The observer must know the location and use of the nearest:

      1. Two Way Radio;
      2. Telephone.

   d) The observer must be able to describe the location of the entry is taking place.

   e) The observer must remain in continuous contact with the crew members who enter the confined space. HE IS NOT TO LEAVE THE OBSERVATION POINT, EXCEPT TO REPORT AN EMERGENCY.

   f) The observer will not enter the confined space. He will coordinate the rescue operations in case of an emergency.

3. There must be sufficient additional employees immediately available to effect a rescue if required to remove a worker from the vessel. Such equipment must be available at the entry port.

4. If case of any emergency the observer is in charge, and he can order the crew out of the tunnels if he deems it necessary.

SPECIAL INSTRUCTIONS

A confined space entry becomes VOID if ANY of the following events occurs:

a) The job is interrupted for more than 60 minutes, for any reason.

ORIGINAL (Red)

b) An employee working in the confined space becomes ill or injured.

c) The flash light, Radio, LEL/Oxygen meters, and any other equipment becomes inoperative.

d) Severe weather conditions occur or are imminent. (Outside location)

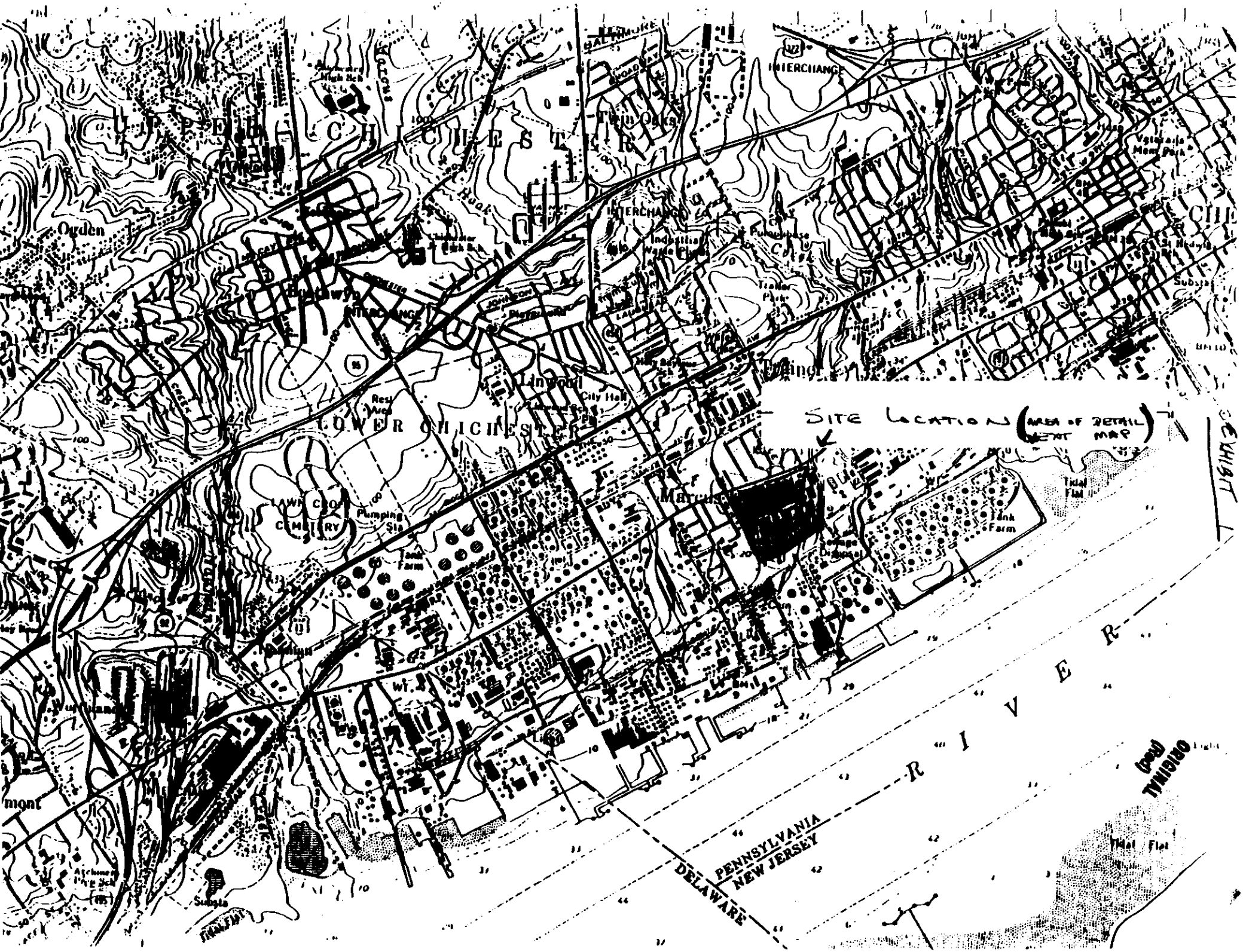
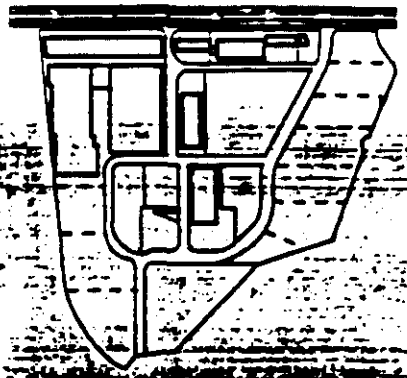

UPPER CHICHESTER
LOWER CHICHESTER
Marcus Hook
Linwood
Trainer
Twin Oaks
Boothwyn
Orden
INTERCHANGE
INTERCHANGE
Rest Area
City Hall
Pumping Sta
Tank Farm
Tank Farm
Tidal Flat
Tidal Flat
Veterans Mem Park
Industrial Waste Plant
Trainer Park
Substa
Substa
Alchemy Park Sch
DELAWARE
RIVER
PENNSYLVANIA
NEW JERSEY
SITE LOCATION (AREA OF DETAIL NEXT MAP)
EXHIBIT
ORIGINAL (Red)

EXHIBIT 2

ORIGINAL (Red)



MARCUS HOOK BUSINESS & COMMERCE CENTER

201 E. 10th St. • Marcus Hook, PA 19061 215-328-2858

COLOR CODED EXCLUSION AREAS
November 19, 1990

[redacted]

Potential Cr Areas

[redacted]

ROUTE 13 — POST ROAD — EAST 10th STREET

MHF-21, MHF-22

Bldg 2
76 Acres
PC-I

Bldg 4

Parking Lot Open

Parking Lot Open

Bldg 6A

Bldg 6B

MHF-27

WELDON WAY

92 Acres
I-2

Bldg 7

26

PENN AVE

79 Acres
I-2

Bldg 18

MHF-25

1.68 Acres
I-4

PENN AVE

EXHIBIT 3

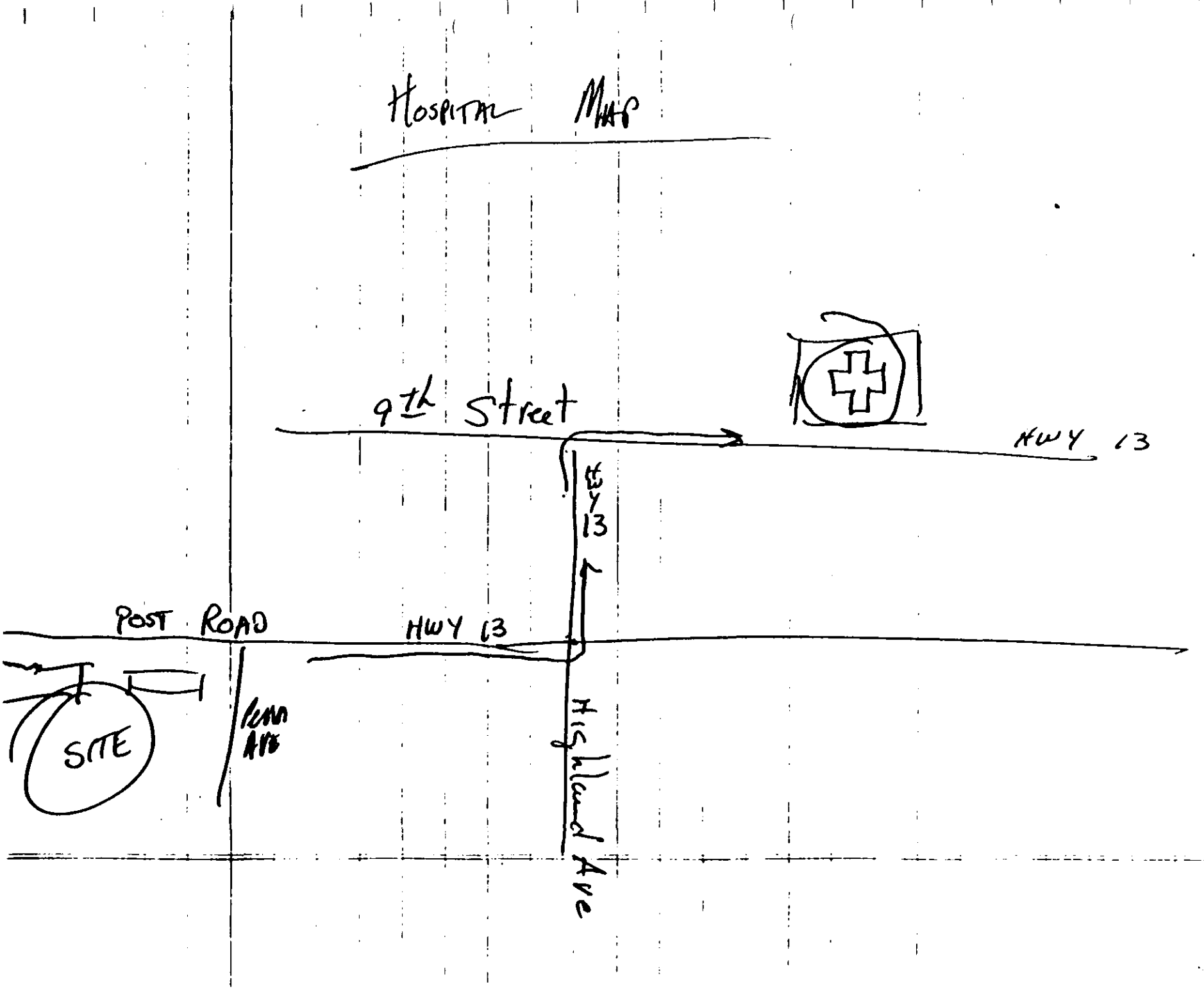
ORIGINAL (Red)

SHERP
SIGN UP SHEET

I have read the SHERP and I understand its contents.

NAME	AFFILIATION	DATE / TIME
[illegible]	EPA	11/19/90
[illegible]	EHRT	11/19/90
[illegible]	Air Products	11/19/90
[illegible]	Air Products	11/19/90
[illegible]	ATSDR	11/19/90
Clifford L Morley	ATSDR	11/19/90
Richard A. [illegible]	ATSDR	11/19/90
Robert J. Fogharty	EHRT	11.19.90
Douglas [illegible]	EPA ESC	11-19-90
Steven Shannon	A.E.T.	11-20-90
Rick Remmick	EHRT	11/20/90
Judy Cordero	EHRT	11/27/90
Raghu Arora	EHRT	11/27/90
Don Dey	EHRT	11/27/90
Jeffrey Kozel	NUS Corp.	12/3/90
[illegible]	NUS Corp	12/3/90

EXHIBIT 4



ORIGINAL (Red)

ORIGINAL (Red)

Exhibit 5

Emergency Phone Numbers

EPA 24 Hr.	(215) 597-9898	
Hospital 24 Hr.	(215) 494-4327	
Ambulance	(215) 565-4545	
Police	(215) 566-2800	
Fire	(215) 565-4545	
Bob Caron, EPA	(609) 261-1238	Hm
	(215) 980-0690	Digital Pager
Doug Fox, EPA	(609) 456-6340	Hm.
	(215) 980-3082	Digital Pager
Rick Ebel, EHRT	(302) 792-2700	Hotel
	(303) 697-4163	Hm.
	(303) 989-8344	Wk (24 Hr.)