FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 7 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA010-01

DESCRIPTION:
HA010-01 FLOOR TILE, WHITE TO BEIGE SQUARES FROM OFFICE ARE ON FIRST FLOOR..

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 8 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA013-01

DESCRIPTION:
HA013-01 PIPE WRAP AROUND SIX INCH DIAMETER PIPE, IN ROOM ON FIRST FLOOR IN SOUTH FACING WALL OF BUILDING; AIRCELL, GRAY, LAYERED.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 9 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA014-01

DESCRIPTION:
HA014-01 FLOOR TILE, BLACK, APPROXIMATELY 1/4 INCH THICK FROM THE SECOND FLOOR OFFICE AREA.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 10 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA015-01

DESCRIPTION:
HA015-01 PIPE WRAP AROUND THREE INCH DIAMETER PIPE, OUTER SURFACE ENCASED IN RED PLASTIC VISQUEEN WRAPPING; INNER WRAPPING WHITE, FRIABLE, FIBROUS.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 11 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA016-01

DESCRIPTION:
HA016-01 FLOOR TILE, BLACK, APPROXIMATELY 1/4 INCH THICK, SECOND FLOOR, SOUTHWEST END OF BUILDING. MAY BE IDENTICAL TO HA014-01 SAMPLE FROM THE FIRST FLOOR.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA018-01

DESCRIPTION:
HA018-01 WOVEN MATERIAL LINING ELECTRICAL LAMP, THREE LAMPS TOTAL, FROM FOURTH FLOOR OF BUILDING.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT PAGE: 13 OF: 14

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA019-01

DESCRIPTION:
HA019-01 PIPE WRAP AROUND TEN INCH DIAMETER PIPE ON THE FOURTH FLOOR OF THE BUILDING, MATERIAL WHITE, FRIABLE, FIBROUS.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: CARTER COLOR COAT

U.S. EPA ID #: MID980568646

DATE: JUNE 12, 1996

PHOTOGRAPH BY:
FAIRBANKS

SAMPLE ID:
HA020-01

DESCRIPTION:
HA020-01 BROKEN PIECES OF GRAY ELECTRICAL INSULATION, FIBERS OBSERVABLE, PIECES SCATTERED ON THE FOURTH FLOOR OF THE BUILDING..

APPENDIX D

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

REPORT Environmental Response Div.
TO ~~Mason~~ Building 301 S. Capitol
Lansing, MI 48909

ATTEN CINDY FAIRBANKS

LABORATORY WORK ORDER # 96-06-116
WORK ID CARTER COLOR COAT
P.O. # ** COST $ 2980.25
RECEIVED 06/13/96 CLIENT ER SUPER
REPORTED _____ NUMBER OF SAMPLES 5
LAB CONTACT IN MATRIX WOOD BLOCKS

TEST / UNITS	WB1	WB2	WB 3	WB 4
Arsenic in Sediment mg/kg (dry)	1.5	1.2	K .5	.77
Cadmium in Sediment mg/kg (dry)	K 2	K 2	K 2	K 2
Chromium in Sediment mg/kg (dry)	6.6	34	4.5	10
Copper in Sediment mg/kg (dry)	41	29	41	114
Nickel in Sediment mg/kg (dry)	K 5	K 5	K 5	7.9
Lead in Sediment mg/kg (dry)	52.5	69.3	21	43
Total Solids - Inorganic %TS	83.5	82.0	88.7	86.0
Zinc in Sediment mg/kg (dry)	79	200	55	420

TEST / UNITS	WB 5
Arsenic in Sediment mg/kg (dry)	.60
Cadmium in Sediment mg/kg (dry)	2.5
Chromium in Sediment mg/kg (dry)	4.9
Copper in Sediment mg/kg (dry)	55.4
Nickel in Sediment mg/kg (dry)	K 5
Lead in Sediment mg/kg (dry)	33
Total Solids - Inorganic %TS	83.5
Zinc in Sediment mg/kg (dry)	80.2

RECEIVED
AUG 28 1996
ERD-SUPERFUND

Report prepared By: Louis C. Wert 8/26/96

 DEQ Laboratory REPORT Work Order # 96-06-116
Received: 06/13/96 Results by Sample

SAMPLE ID WB1 FRACTION 01A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/13/96 Category

ANALYST JRS
ANALYZED 07/03/96
DILUTION 5

Total Solids 73 %

UNITS ug/Kg PPB

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
111-44-4	bis(2-Chloroethyl) ether	ND		700
541-73-1	1,3-Dichlorobenzene	ND		700
106-46-7	1,4-Dichlorobenzene	ND		700
95-50-1	1,2-Dichlorobenzene	ND		700
108-60-1	bis(2-Chloroisopropyl) ether	ND		700
821-64-7	N-Nitroso-di-n-propyl amine	ND		1400
108-70-3	Hexachloroethane	ND		700
98-95-3	Nitrobenzene	ND		1400
78-59-1	Isophorone	ND		700
111-91-1	bis(2-Chloroethoxy) methane	ND		1400
120-82-1	1,2,4-Trichlorobenzene	ND		1400
91-20-3	Naphthalene	250	mg/kg*	35000
87-68-3	Hexachlorobutadiene	ND		1400
91-58-7	2-Chloronaphthalene	ND		1400
131-11-3	Dimethyl phthalate	ND		1400
208-96-8	Acenaphthylene	41	mg/kg*	700
606-20-2	2,6-Dinitrotoluene	ND		3500
83-32-9	Acenaphthene	120	mg/kg*	700
121-14-2	2,4-Dinitrotoluene	ND		3500
86-73-7	Fluorene	300	mg/kg*	35000
84-66-2	Diethyl phthalate	ND		700
7005-72-3	4-Chlorodiphenyl ether	ND		700
86-30-6	N-Nitrosodiphenyl amine	ND		3500
122-66-7	1,2-Diphenylhydrazine	ND		1400
101-55-3	4-Bromodiphenyl ether	ND		1400
118-74-1	Hexachlorobenzene	ND		700
85-01-8	Phenanthrene	2800	mg/kg*	35000
120-12-7	Anthracene	490	mg/kg*	35000
84-74-2	Di-n-butyl phthalate	ND		700
206-44-0	Fluoranthene	1900	mg/kg*	35000
129-00-0	Pyrene	1500	mg/kg*	35000
85-68-7	Butyl benzyl phthalate	ND		700
56-55-3	Benzo (a) anthracene	900	mg/kg*	35000
218-01-9	Chrysene	950	mg/kg*	35000
117-81-7	bis(2-ethylhexyl) phthalate	18	mg/kg*	1400
117-84-0	Di-n-octyl phthalate	ND		1400
205-99-2	Benzo (b) fluoranthene	730	mg/kg*	70000
207-08-9	Benzo (k) fluoranthene	360	mg/kg*	70000
50-32-8	Benzo (a) pyrene	490	mg/kg*	70000
193-39-5	Indeno (1,2,3-c,d) pyrene	130	mg/kg*	3500
53-70-3	Dibenzo (a,h) anthracene	19	mg/kg*	3500
191-24-2	Benzo (g,h,i) perylene	270	mg/kg*	70000

SAMPLE ID WB1 FRACTION 01A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/13/96 Category

ND = not detected at the specified detection limit.

COMMENTS The matrix of this sample contains high levels of hydro carbons. *Results reported in mg/kg. Codes:DM.DL=ALL

Received: 06/13/96

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-06-116

SAMPLE ID WB1

FRACTION 01A TEST CODE S_PCB NAME PCBs-Soil/Sediment
Date & Time Collected 06/13/96 Category

ANALYST CHAMOT
ANALYZED 06/26/96
DILUTION 2

Total Solids 79 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
53469-21-9	Aroclor 1242 (PCB)	ND		1300
11097-69-1	Aroclor 1254 (PCB)	ND		1300
11096-82-5	Aroclor 1260 (PCB)	ND		1300
12674-11-1	*Aroclor 1016 (PCB)	ND		1300
11104-28-2	*Aroclor 1221 (PCB)	ND		1300
11141-16-5	*Aroclor 1232 (PCB)	ND		1300
12672-29-6	*Aroclor 1248 (PCB)	ND		1300
- -	*Aroclor 1262 (PCB)	ND		1300
11100-14-4	*Aroclor 1268 (PCB)	ND		1300

COMMENTS NH; HYDROCARBONS; ANALYZED 5gm SAMPLE INSTEAD OF 10 gm

ND = not detected at the specified detection limit.
* Results and Det. Limit reported semi-quantitatively *

DEQ Laboratory REPORT Work Order # 96-06-116

Received: 06/13/96

Results by Sample

SAMPLE ID WB2 FRACTION 02A TEST CODE S_BN NAME Base Neutral-Soil/Sediment

Date & Time Collected 06/11/96 Category

ANALYST JRS

ANALYZED 07/03/96

DILUTION 5

Total Solids 79 %

UNITS ug/Kg PPB

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
111-44-4	bis(2-Chloroethyl) ether	ND		650
541-73-1	1,3-Dichlorobenzene	ND		650
106-46-7	1,4-Dichlorobenzene	ND		650
95-50-1	1,2-Dichlorobenzene	ND		650
108-60-1	bis(2-Chloroisopropyl) ether	ND		650
821-64-7	N-Nitroso-di-n-propyl amine	ND		1300
108-70-3	Hexachloroethane	ND		650
98-95-3	Nitrobenzene	ND		1300
78-59-1	Isophorone	ND		650
111-91-1	bis(2-Chloroethoxy) methane	ND		1300
120-82-1	1,2,4-Trichlorobenzene	ND		1300
91-20-3	Naphthalene	59	mg/kg*	650
87-68-3	Hexachlorobutadiene	ND		1300
91-58-7	2-Chloronaphthalene	ND		1300
131-11-3	Dimethyl phthalate	ND		1300
208-96-8	Acenaphthylene	47	mg/kg*	650
606-20-2	2,6-Dinitrotoluene	ND		3300
83-32-9	Acenaphthene	100	mg/kg*	650
121-14-2	2,4-Dinitrotoluene	ND		3300
86-73-7	Fluorene	82	mg/kg*	650
84-66-2	Diethyl phthalate	ND		650
7005-72-3	4-Chlorodiphenyl ether	ND		650
86-30-6	N-Nitrosodiphenyl amine	ND		3300
122-66-7	1,2-Diphenylhydrazine	ND		1300
101-55-3	4-Bromodiphenyl ether	ND		1300
118-74-1	Hexachlorobenzene	ND		650
85-01-8	Phenanthrene	980	mg/kg*	13000
120-12-7	Anthracene	150	mg/kg*	650
84-74-2	Di-n-butyl phthalate	ND		650
206-44-0	Fluoranthene	1400	mg/kg*	13000
129-00-0	Pyrene	1100	mg/kg*	13000
85-68-7	Butyl benzyl phthalate	ND		650
56-55-3	Benzo (a) anthracene	110	mg/kg*	650
218-01-9	Chrysene	57	mg/kg*	650
117-81-7	bis(2-ethylhexyl) phthalate	ND		1300
117-84-0	Di-n-octyl phthalate	ND		1300
205-99-2	Benzo (b) fluoranthene	320	mg/kg*	26000
207-08-9	Benzo (k) fluoranthene	260	mg/kg*	26000
50-32-8	Benzo (a) pyrene	280	mg/kg*	26000
193-39-5	Indeno (1,2,3-c,d) pyrene	56	mg/kg*	3300
53-70-3	Dibenzo (a,h) anthracene	60	mg/kg*	3300
191-24-2	Benzo (g,h,i) perylene	43	mg/kg*	3300

SAMPLE ID WB2 FRACTION 02A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ND = not detected at the specified detection limit.

COMMENTS The matrix of this sample contains high levels of hydro carbons. *Results reported in mg/kg. Codes:DM,DL=ALL

 DEQ Laboratory REPORT Work Order # 96-06-116
Received: 06/13/96 Results by Sample

SAMPLE ID WB2 FRACTION 02A TEST CODE S_PCB NAME PCBs-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST CHAMOT
ANALYZED 06/26/96
DILUTION 2

Total Solids 75 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
53469-21-9	Aroclor 1242 (PCB)	ND		1300
11097-69-1	Aroclor 1254 (PCB)	ND		1300
11096-82-5	Aroclor 1260 (PCB)	ND		1300
12674-11-1	*Aroclor 1016 (PCB)	ND		1300
11104-28-2	*Aroclor 1221 (PCB)	ND		1300
11141-16-5	*Aroclor 1232 (PCB)	ND		1300
12672-29-6	*Aroclor 1248 (PCB)	ND		1300
- -	*Aroclor 1262 (PCB)	ND		1300
11100-14-4	*Aroclor 1268 (PCB)	ND		1300

COMMENTS NH: HYDROCARBONS; ANALYZED 5gm SAMPLE INSTEAD OF 10 gm

ND = not detected at the specified detection limit.
* Results and Det. Limit reported semi-quantitatively *

 DEQ Laboratory REPORT Work Order # 96-06-116
Received: 06/13/96 Results by Sample

SAMPLE ID WB 3 FRACTION 03A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST JRS
ANALYZED 07/03/96
DILUTION 5

Total Solids 83 %

UNITS ug/Kg PPB

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
111-44-4	bis(2-Chloroethyl) ether	ND		600
541-73-1	1,3-Dichlorobenzene	ND		600
106-46-7	1,4-Dichlorobenzene	ND		600
95-50-1	1,2-Dichlorobenzene	ND		600
108-60-1	bis(2-Chloroisopropyl) ether	ND		600
821-64-7	N-Nitroso-di-n-propyl amine	ND		1200
108-70-3	Hexachloroethane	ND		600
98-95-3	Nitrobenzene	ND		1200
78-59-1	Isophorone	ND		600
111-91-1	bis(2-Chloroethoxy) methane	ND		1200
120-82-1	1,2,4-Trichlorobenzene	ND		1200
91-20-3	Naphthalene	260	mg/kg*	12000
87-68-3	Hexachlorobutadiene	ND		1200
91-58-7	2-Chloronaphthalene	ND		1200
131-11-3	Dimethyl phthalate	ND		1200
208-96-8	Acenaphthylene	4.7	mg/kg*	600
606-20-2	2,6-Dinitrotoluene	ND		3000
83-32-9	Acenaphthene	28	mg/kg*	600
121-14-2	2,4-Dinitrotoluene	ND		3000
86-73-7	Fluorene	26	mg/kg*	600
84-66-2	Diethyl phthalate	ND		600
7005-72-3	4-Chlorodiphenyl ether	ND		600
86-30-6	N-Nitrosodiphenyl amine	ND		3000
122-66-7	1,2-Diphenylhydrazine	ND		1200
101-55-3	4-Bromodiphenyl ether	ND		1200
118-74-1	Hexachlorobenzene	ND		600
85-01-8	Phenanthrene	1100	mg/kg*	12000
120-12-7	Anthracene	120	mg/kg*	600
84-74-2	Di-n-butyl phthalate	7.0	mg/kg*	600
206-44-0	Fluoranthene	1400	mg/kg*	12000
129-00-0	Pyrene	1100	mg/kg*	12000
85-68-7	Butyl benzyl phthalate	ND		600
56-55-3	Benzo (a) anthracene	570	mg/kg*	12000
218-01-9	Chrysene	550	mg/kg*	12000
117-81-7	bis(2-ethylhexyl) phthalate	ND		1200
117-84-0	Di-n-octyl phthalate	ND		1200
205-99-2	Benzo (b) fluoranthene	350	mg/kg*	24000
207-08-9	Benzo (k) fluoranthene	330	mg/kg*	24000
50-32-8	Benzo (a) pyrene	320	mg/kg*	24000
193-39-5	Indeno (1,2,3-c,d) pyrene	74	mg/kg*	3000
53-70-3	Dibenzo (a,h) anthracene	8.2	mg/kg*	3000
191-24-2	Benzo (g,h,i) perylene	160	mg/kg*	60000

SAMPLE ID WB 3 FRACTION 03A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ND = not detected at the specified detection limit.

COMMENTS The matrix of this sample contains high levels of hydro carbons. *Results reported in mg/kg. Codes:DM,DL=ALL

Received: 06/13/96

DEQ Laboratory REPORT Work Order # 96-06-116

Results by Sample

SAMPLE ID WB 3 FRACTION 03A TEST CODE S PCB NAME PCBs-Soil/Sediment

Date & Time Collected 06/11/96 Category

ANALYST CHAMOT

ANALYZED 06/26/96

DILUTION 2

Total Solids 82 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
53469-21-9	Aroclor 1242 (PCB)	ND		1200
11097-69-1	Aroclor 1254 (PCB)	ND		1200
11096-82-5	Aroclor 1260 (PCB)	ND		1200
12674-11-1	*Aroclor 1016 (PCB)	ND		1200
11104-28-2	*Aroclor 1221 (PCB)	ND		1200
11141-16-5	*Aroclor 1232 (PCB)	ND		1200
12672-29-6	*Aroclor 1248 (PCB)	ND		1200
- -	*Aroclor 1262 (PCB)	ND		1200
11100-14-4	*Aroclor 1268 (PCB)	ND		1200

COMMENTS NH; HYDROCARBONS; ANALYZED 5gm SAMPLE INSTEAD OF 10 gm

ND = not detected at the specified detection limit.

* Results and Det. Limit reported semi-quantitatively *

 DEQ Laboratory REPORT Work Order # 96-06-116
Received: 06/13/96 Results by Sample

SAMPLE ID WB4 FRACTION 04A TEST CODE S_BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST JRS
ANALYZED 07/03/96
DILUTION 5

Total Solids 84 %

UNITS ug/Kg PPB

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
111-44-4	bis(2-Chloroethyl) ether	ND		600
541-73-1	1,3-Dichlorobenzene	ND		600
106-46-7	1,4-Dichlorobenzene	ND		600
95-50-1	1,2-Dichlorobenzene	ND		600
108-60-1	bis(2-Chloroisopropyl) ether	ND		600
821-64-7	N-Nitroso-di-n-propyl amine	ND		1200
108-70-3	Hexachloroethane	ND		600
98-95-3	Nitrobenzene	ND		1200
78-59-1	Isophorone	ND		600
111-91-1	bis(2-Chloroethoxy) methane	ND		1200
120-82-1	1,2,4-Trichlorobenzene	ND		1200
91-20-3	Naphthalene	1600	mg/kg*	30000
87-68-3	Hexachlorobutadiene	ND		1200
91-58-7	2-Chloronaphthalene	ND		1200
131-11-3	Dimethyl phthalate	ND		1200
208-96-8	Acenaphthylene	17	mg/kg*	600
606-20-2	2,6-Dinitrotoluene	ND		3000
83-32-9	Acenaphthene	520	mg/kg*	30000
121-14-2	2,4-Dinitrotoluene	ND		3000
86-73-7	Fluorene	520	mg/kg*	30000
84-66-2	Diethyl phthalate	ND		600
7005-72-3	4-Chlorodiphenyl ether	ND		600
86-30-6	N-Nitrosodiphenyl amine	ND		3000
122-66-7	1,2-Diphenylhydrazine	ND		1200
101-55-3	4-Bromodiphenyl ether	ND		1200
118-74-1	Hexachlorobenzene	ND		600
85-01-8	Phenanthrene	5100	mg/kg*	30000
120-12-7	Anthracene	920	mg/kg*	30000
84-74-2	Di-n-butyl phthalate	ND		600
206-44-0	Fluoranthene	4200	mg/kg*	30000
129-00-0	Pyrene	3000	mg/kg*	30000
85-68-7	Butyl benzyl phthalate	ND		600
56-55-3	Benzo (a) anthracene	1700	mg/kg*	30000
218-01-9	Chrysene	1600	mg/kg*	30000
117-81-7	bis(2-ethylhexyl) phthalate	ND		1200
117-84-0	Di-n-octyl phthalate	ND		1200
205-99-2	Benzo (b) fluoranthene	1200	mg/kg*	60000
207-08-9	Benzo (k) fluoranthene	870	mg/kg*	60000
50-32-8	Benzo (a) pyrene	980	mg/kg*	60000
193-39-5	Indeno (1,2,3-c,d) pyrene	370	mg/kg*	150000
53-70-3	Dibenzo (a,h) anthracene	230	mg/kg*	150000
191-24-2	Benzo (g,h,i) perylene	420	mg/kg*	150000

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-06-116
Continued From Above

SAMPLE ID WB4 FRACTION 04A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ND = not detected at the specified detection limit.

COMMENTS The matrix of this sample contains high levels of hydro carbons. *Results reported in mg/kg. Codes:DM,DL=ALL

 DEQ Laboratory REPORT Work Order # 96-06-116
Received: 06/13/96 Results by Sample

SAMPLE ID WB4 FRACTION 04A TEST CODE S_PCB NAME PCBs-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST CHAMOT
ANALYZED 06/26/96
DILUTION 2

Total Solids 84 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
53469-21-9	Aroclor 1242 (PCB)	ND		1200
11097-69-1	Aroclor 1254 (PCB)	ND		1200
11096-82-5	Aroclor 1260 (PCB)	ND		1200
12674-11-1	*Aroclor 1016 (PCB)	ND		1200
11104-28-2	*Aroclor 1221 (PCB)	ND		1200
11141-16-5	*Aroclor 1232 (PCB)	ND		1200
12672-29-6	*Aroclor 1248 (PCB)	ND		1200
- -	*Aroclor 1262 (PCB)	ND		1200
11100-14-4	*Aroclor 1268 (PCB)	ND		1200

COMMENTS NH; HYDROCARBONS; ANALYZED 5gm SAMPLE INSTEAD OF 10 gm

ND = not detected at the specified detection limit.
* Results and Det. Limit reported semi-quantitatively *

Received: 06/13/96

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-06-116

SAMPLE ID WB5 FRACTION 05A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST JRS
ANALYZED 07/03/96
DILUTION 5

Total Solids 78 %

UNITS ug/Kg PPB

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
111-44-4	bis(2-Chloroethyl) ether	ND		650
541-73-1	1,3-Dichlorobenzene	ND		650
106-46-7	1,4-Dichlorobenzene	ND		650
95-50-1	1,2-Dichlorobenzene	ND		650
108-60-1	bis(2-Chloroisopropyl) ether	ND		650
821-64-7	N-Nitroso-di-n-propyl amine	ND		1300
108-70-3	Hexachloroethane	ND		650
98-95-3	Nitrobenzene	ND		1300
78-59-1	Isophorone	ND		650
111-91-1	bis(2-Chloroethoxy) methane	ND		1300
120-82-1	1,2,4-Trichlorobenzene	ND		1300
91-20-3	Naphthalene	45	mg/kg*	650
87-68-3	Hexachlorobutadiene	ND		1300
91-58-7	2-Chloronaphthalene	ND		1300
131-11-3	Dimethyl phthalate	ND		1300
208-96-8	Acenaphthylene	17	mg/kg*	650
606-20-2	2,6-Dinitrotoluene	ND		3300
83-32-9	Acenaphthene	71	mg/kg*	650
121-14-2	2,4-Dinitrotoluene	ND		3300
86-73-7	Fluorene	140	mg/kg*	650
84-66-2	Diethyl phthalate	ND		650
7005-72-3	4-Chlorodiphenyl ether	ND		650
86-30-6	N-Nitrosodiphenyl amine	ND		3300
122-66-7	1,2-Diphenylhydrazine	ND		1300
101-55-3	4-Bromodiphenyl ether	ND		1300
118-74-1	Hexachlorobenzene	ND		650
85-01-8	Phenanthrene	3800	mg/kg*	33000
120-12-7	Anthracene	880	mg/kg*	33000
84-74-2	Di-n-butyl phthalate	ND		650
206-44-0	Fluoranthene	3800	mg/kg*	33000
129-00-0	Pyrene	2900	mg/kg*	33000
85-68-7	Butyl benzyl phthalate	ND		650
56-55-3	Benzo (a) anthracene	1600	mg/kg*	30000
218-01-9	Chrysene	1700	mg/kg*	30000
117-81-7	bis(2-ethylhexyl) phthalate	ND		1300
117-84-0	Di-n-octyl phthalate	ND		1300
205-99-2	Benzo (b) fluoranthene	1300	mg/kg*	65000
207-08-9	Benzo (k) fluoranthene	760	mg/kg*	65000
50-32-8	Benzo (a) pyrene	830	mg/kg*	65000
193-39-5	Indeno (1,2,3-c,d) pyrene	330	mg/kg*	65000
53-70-3	Dibenzo (a,h) anthracene	200	mg/kg*	65000
191-24-2	Benzo (g,h,i) perylene	380	mg/kg*	65000

SAMPLE ID WB5 FRACTION 05A TEST CODE S BN NAME Base Neutral-Soil/Sediment
Date & Time Collected 06/11/96 Category

ND = not detected at the specified detection limit.

COMMENTS The matrix of this sample contains high levels of hydro carbons. *Results reported in mg/kg. Codes:DM,DL=ALL

Received: 06/13/96

DEQ Laboratory REPORT
Results by Sample

Work Order # 96-06-116

SAMPLE ID WB5 FRACTION 05A TEST CODE S_PCB NAME PCBs-Soil/Sediment
Date & Time Collected 06/11/96 Category

ANALYST CHAMOT
ANALYZED 06/26/96
DILUTION 2

Total Solids 80 %

UNITS ug/Kg ppb

CAS#	COMPOUND	RESULT	REMARK	REPORTED DETECTION LIMIT
53469-21-9	Aroclor 1242 (PCB)	ND		1300
11097-69-1	Aroclor 1254 (PCB)	ND		1300
11096-82-5	Aroclor 1260 (PCB)	ND		1300
12674-11-1	*Aroclor 1016 (PCB)	ND		1300
11104-28-2	*Aroclor 1221 (PCB)	ND		1300
11141-16-5	*Aroclor 1232 (PCB)	ND		1300
12672-29-6	*Aroclor 1248 (PCB)	ND		1300
- -	*Aroclor 1262 (PCB)	ND		1300
11100-14-4	*Aroclor 1268 (PCB)	ND		1300

COMMENTS NH; HYDROCARBONS; ANALYZED 5gm SAMPLE INSTEAD OF 10 gm

ND = not detected at the specified detection limit.
* Results and Det. Limit reported semi-quantitatively *

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY	ENVIRONMENTAL LABORATORY PROCEDURE	NO: PD-13 DATE: Rev. 10/9/95

Subject: *Laboratory Result Remark Codes*

A	value reported is the mean of two or more determinations.
C	value calculated from other independent parameters.
J	estimated value or value not accurate.
K	actual value is known to be less than the value given, i.e. substance, if present, is below detection limit.
L	actual value is known to be greater than the value given.
T	value reported is less than criteria of detection.
W	value observed is less than lowest value reportable under "T" code.
DL	sample analyzed using a dilution(s).
DM	dilution required due to matrix problems.
HT	recommended laboratory holding time was exceeded before analysis.
LH	Q. C. indicated possible low recovery. Actual level may be higher.
LL	Q. C. indicated possible high recovery. Actual level may be lower.
MM	analytical method or matrix is not within SOP of this laboratory.
NC	no confirmation by a second technique.
NH	non-homogeneous sample made analysis of a representative sample questionable.
PI	possible interference may have affected the accuracy of the laboratory result.
QC	quality control problems exists.
RB	Reagent Blank. The level of reagent blank contamination is reported in the comment column and may be subtracted from the analyte value by the user.
ST	recommended sample collection/preservation technique not used.
ACC	laboratory accident resulted in no obtainable value.
FCN	free cyanide was not analyzed due to low level of total cyanide.
INT	interference encountered during analysis resulted in no obtainable value.
IST	Improper sample collection/preservation. Sample not suitable for analysis.
NAV	requested analysis not available.
QNS	quantity not sufficient to perform requested analysis.
STR	settleable residue was not analyzed due to low suspended solids.

Approved by: George Su, Lab Section Chief 10/17/95 Date

DEQ

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MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY
LABORATORY ANALYSIS REQUEST SHEET

MATRIX = SEDIMENT / SOIL

**** SAFETY WARNING ****
YES / NO - INFO ON BACK

LAB ORDER # 96-06-116 PRIORITY III RECEIVED AT LAB BY DH DATE TIME 6/13/96 1340 AM PM

SUBMITTER DIVISION ERD DISTRICT OR OFFICE Lansing CONTACT PERSON FOR QUESTIONS Cindy Fairbanks PHONE (517)-335-4111

LOCATION SAMPLED Carter Color Coat COLLECTED BY C. Fairbanks DELIVERED BY CSF

ACCEPT "HT" CODE (YES) / NO SEND RESULTS TO ATTENTION OF C. Fairbanks AT ADDRESS (if different than above office) MDEQ-ERD-Superfund Downtown Lansing

INDEX 46538 PCA 31351 PROJECT 454660 PH 02

SAMPLE REMARKS:

SAMPLE NO.	FIELD ID OR DESCRIPTION	SAMPLE COLLECTED YY/MM/DD	HH:MM	SAMPLE INFORMATION
01	WB1	96/6/11	~~1450~~	BNA/PCB
02	WB2	96/6/11	~~1450~~	Metals C
03	WB3	96/6/11	~~1505~~	BNA/PCB
04	WB4	96/6/11	~~1505~~	Metals C
05	WB5	96/6/11	~~1515~~	BNA/PCB
06	~~WB3~~	96/6/11	~~1515~~	Metals
07	~~WB4~~	96/6/11	~~1525~~	BNA/PCB
08	~~WB4~~	96/6/11	1525	Metals

GENERAL CHEMISTRY

GS

COD	1 2 3 4 5 6 7 8
KJEL N, Tot P	1 2 3 4 5 6 7 8
Phenolics	1 2 3 4 5 6 7 8
Total CN	1 2 3 4 5 6 7 8
% Total Solids	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

ORGANIC

POV VOLATILES

8260 (Sc 1,2)	1 2 3 4 5 6 7 8
BTEX (only)	1 2 3 4 5 6 7 8
8260 plus	1 2 3 4 5 6 7 8

OS PEST & PCB

8081/8121, (Sc 3)	1 2 3 4 5 6 7 8
PCB (only)	1 2 3 4 5 6 7 8
8270 (BN)	1 2 3 4 5 6 7 8

SPECIAL REQUESTS

Lib. Search (Qualitative)	
Volatiles	1 2 3 4 5 6 7 8
Base Neutral	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

INORGANIC

MS

Ca Mg Na K	1 2 3 4 5 6 7 8
Cd Cr Cu Ni Pb Zn	1 2 3 4 5 6 7 8
Fe Co Li Mn	1 2 3 4 5 6 7 8
Al Ba Be Mo Ti V	1 2 3 4 5 6 7 8
Hg - Mercury	1 2 3 4 5 6 7 8
As - Arsenic	1 2 3 4 5 6 7 8
Se - Selenium	1 2 3 4 5 6 7 8
Sr - Strontium	1 2 3 4 5 6 7 8
Ag - Silver.	1 2 3 4 5 6 7 8
Tl - Thallium	1 2 3 4 5 6 7 8
% Total Solids	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

APPENDIX E

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY

REPORT Environmental Response Div.
TO ~~Mason~~ Building 301 S. Capitol
Lansing, MI 48909

ATTEN CINDY FAIRBANKS

LABORATORY WORK ORDER # 96-06-115
WORK ID CARTER COLOR COAT
P.O. # ** COST $ 152.70
RECEIVED 06/13/96 CLIENT ER SUPER
REPORTED _____ NUMBER OF SAMPLES 6
LAB CONTACT IN MATRIX PAINT CHIPS

TEST / UNITS	PC 1	PC 2	PC 3	PC 4
Lead in Sediment mg/kg (dry)	13100	6650	12000	5840
Total Solids - Inorganic %TS	97.6	98.1	88.3	98.5

TEST / UNITS	PC 5	PC 6
Lead in Sediment mg/kg (dry)	5250	5890
Total Solids - Inorganic %TS	96.7	97.4

Report prepared By: Larry C. Utens 7/30/96

RECEIVED
JUL 31 1996

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY	**ENVIRONMENTAL LABORATORY PROCEDURE**	*NO: PD-13* *DATE: Rev. 10/9/95*

Subject: ***Laboratory Result Remark Codes***

A	value reported is the mean of two or more determinations.
C	value calculated from other independent parameters.
J	estimated value or value not accurate.
K	actual value is known to be less than the value given, i.e. substance, if present, is below detection limit.
L	actual value is known to be greater than the value given.
T	value reported is less than criteria of detection.
W	value observed is less than lowest value reportable under "T" code.
DL	sample analyzed using a dilution(s).
DM	dilution required due to matrix problems.
HT	recommended laboratory holding time was exceeded before analysis.
LH	Q. C. indicated possible low recovery. Actual level may be higher.
LL	Q. C. indicated possible high recovery. Actual level may be lower.
MM	analytical method or matrix is not within SOP of this laboratory.
NC	no confirmation by a second technique.
NH	non-homogeneous sample made analysis of a representative sample questionable.
PI	possible interference may have affected the accuracy of the laboratory result.
QC	quality control problems exists.
RB	Reagent Blank. The level of reagent blank contamination is reported in the comment column and may be subtracted from the analyte value by the user.
ST	recommended sample collection/preservation technique not used.
ACC	laboratory accident resulted in no obtainable value.
FCN	free cyanide was not analyzed due to low level of total cyanide.
INT	interference encountered during analysis resulted in no obtainable value.
IST	Improper sample collection/preservation. Sample not suitable for analysis.
NAV	requested analysis not available.
QNS	quantity not sufficient to perform requested analysis.
STR	settleable residue was not analyzed due to low suspended solids.

Approved by: George Su, Lab Section Chief 10/17/95 Date

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Codes.doc

MICHIGAN DEPT. OF ENVIRONMENTAL QUALITY
LABORATORY ANALYSIS REQUEST SHEET

**** SAFETY WARNING ****
YES / NO - INFO ON BACK

MATRIX = ORGANIC / OIL / COAL

LAB ORDER # 96-06-115 PRIORITY III RECEIVED AT LAB BY DH DATE TIME 6/13/96 13:40 AM PM

SUBMITTER DIVISION ERD DISTRICT OR OFFICE Lansing CONTACT PERSON FOR QUESTIONS Cindy Fairbanks PHONE (517)-335-4111

LOCATION SAMPLED Carter Color Coat COLLECTED BY C. Fairbanks DELIVERED BY CSF

ACCEPT "HT" CODE YES / NO SEND RESULTS TO ATTENTION OF C. Fairbanks AT ADDRESS (if different than above office) MDEQ-ERD-Superfund Downtown Lansing

INDEX 46538 PCA 31351 PROJECT 454660 PH 02

SAMPLE REMARKS:

SAMPLE NO.	FIELD ID OR DESCRIPTION	SAMPLE COLLECTED YY/MM/DD	HH:MM	SAMPLE INFORMATION
01	PC1	96/6/11	1445	Paint chip analysis for lead only.
02	PC2	96/6/11	1500	
03	PC3	96/6/11	1510	
04	PC4	96/6/11	1520	
05	PC5	96/6/11	1330	
06	PC6	96/6/11	1350	
07				
08				

GENERAL CHEMISTRY

HW

Flashpoint	1 2 3 4 5 6 7 8
Solubility	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

ORGANIC

OL

Volatile Oil 8260	1 2 3 4 5 6 7 8
PCB only	1 2 3 4 5 6 7 8
Pest & PCB	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

INORGANIC

MO

Cd Cr Cu Ni Pb Zn	1 2 3 4 5 6 7 8
Fe Co Li Mn	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
Al Ba Be Mo Ti V	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
Hg - Mercury	1 2 3 4 5 6 7 8
As - Arsenic	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8
% Cl	1 2 3 4 5 6 7 8
BTU	1 2 3 4 5 6 7 8
% Sulfur	1 2 3 4 5 6 7 8
% Ash	1 2 3 4 5 6 7 8
% H2O	1 2 3 4 5 6 7 8
	1 2 3 4 5 6 7 8

APPENDIX F

Soils Organics

RECEIVED
SEP 12 1996
ERD-SUPERFUND

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Region V CLP Data
Received for Review on July 23, 1996

FROM: Stephen L. Ostrodka, Chief (HSRL-5J) Steve Ostrodka
Superfund Technical Support Section
Richard L Byrils 9/9/96

TO: Data User: MDNR

We have reviewed the data for the following case:

SITE NAME: Carter Color Coat (MI)

CASE NUMBER: 24752 SDG NUMBER: EZD01

Number and Type of Samples: 18 (soil)

Sample Numbers: EZD01-18

Laboratory: SWOK Hrs. for Review: 18 + 1.5

Following are our findings:

the data are acceptable and usable with the qualifications described in the attached narrative.

Richard L Byrils
9/9/96

cc: Regional TPO
Brian Freeman
HSMC-5J

NARRATIVE

LABORATORY: S W O K **CASE: 24752**

SITE NAME: Carter Color Coat (MI) **SDG: EZD01**

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

This review covers eighteen (18) low level soil samples numbered: EZD01, EZD02, EZD03, EZD04, EZD05, EZD06, EZD07, EZD08, EZD09, EZD10, EZD11, EZD12, EZD13, EZD14, EZD15, EZD16, EZD17 and EZD18. Samples were collected on 06/11/96. The Southwest Laboratory of Oklahoma (SWOK), OK received the samples on 06/12/96 in good condition. All eighteen (18) samples were analyzed for Volatile, Semivolatile and Pesticide/PCB fractions following the CLP Statement of Work OLMO3.2.

All Volatile soil samples were analyzed within the fourteen (14) day technical holding time; therefore, the results are acceptable.

Semivolatile soil samples: EZD02, EZD05, EZD09, EZD09DL, EZD10, EZD12, EZD13 and EZD18 were extracted six (6) days past the fourteen (14) days holding time.
Any positive Semivolatile results in samples EZD02, EZD05, EZD09, EZD09DL, EZD10, EZD12, EZD13 and EZD18 should be considered estimated "J", and non-detected quantitation limits should be considered estimated "UJ".
All other Semivolatile and all Pesticide/PCB soil sample extractions were performed within fourteen (14) days and all analyses were performed within forty (40) days after extraction; therefore, the results are acceptable.

Sample **EZD01** was used as the low level soil matrix spike/matrix spike duplicate in all three fractions.
There were no samples identified as a field blank or field duplicate in this data case. RLB 9/4/96

The reviewer's narrative and data qualifiers are noted in the following pages.

Reviewed by: Krystyna Minczuk Lockheed/ESAT
Date: August 15th, 1996

NARRATIVE

LABORATORY: S W O K CASE: 24752

SITE NAME: Carter Color Coat (MI) SDG: EZD01

1.HOLDING TIME

Eighteen (18) low level soil samples numbered: EZD01, EZD02, EZD03, EZD04, EZD05, EZD06, EZD07, EZD08, EZD09, EZD10, EZD11, EZD12, EZD13, EZD14, EZD15, EZD16, EZD17 and EZD18 were collected on 06/11/96. The Southwest Laboratory of Oklahoma (SWOK), OK received the samples on 06/12/96 in good condition. All eighteen (18) samples were analyzed for Volatile, Semivolatile and Pesticide/PCB fractions following the CLP Statement of Work OLM03.2.

All Volatile soil samples were analyzed within the fourteen (14) day technical holding time; therefore, the results are acceptable.

Semivolatile soil samples: EZD02, EZD05, EZD09, EZD09DL, EZD10, EZD12, EZD13 and EZD18 were extracted six (6) days past the fourteen (14) days holding time.
Any positive Semivolatile results in samples EZD02, EZD05, EZD09, EZD09DL, EZD10, EZD12, EZD13 and EZD18 should be considered estimated "J", and non-detected quantitation limits should be considered estimated "UJ".
All other Semivolatile and all Pesticide/PCB soil sample extractions were performed within fourteen (14) days and all analyses were performed within forty (40) days after extraction; therefore, the results are acceptable.

2.GC/MS TUNING PERFORMANCE

All GC/MS tuning complied with the mass list and ion abundance criteria for BFB, and all samples were analyzed within the twelve (12) hour periods for instrument performance checks.

All GC/MS tuning complied with the mass list and ion abundance criteria for DFTPP, and all samples were analyzed within the twelve (12) hour periods for instrument performance checks.

The GC Resolution Check Mix met the 60% resolution criteria. DDT and Endrin degradation checks using Performance Evaluation Mix of DB-1701 and DB-17 columns were acceptable (<20%); therefore, the results are acceptable.
Pesticide surrogate TCX in samples: EZD01, EZD02, EZD03, EZD04, EZD09 and EZD18; surrogates TCX and DCB in sample EZD07 on the DB-1701 column; surrogate TCX in samples EZD03, EZD07 and surrogates TCX and DCB in sample EZD18 on the DB-17 column were outside the retention time windows. All above noted samples were analyzed with

Reviewed by: _____Krystyna Minczuk__Lockheed/ESAT
Date:__August 15th, 1996__

NARRATIVE

LABORATORY: S W O K **CASE: 24752**

SITE NAME: Carter Color Coat (MI) **SDG: EZD01**

high dilution ranging from 20 to 100 and surrogates were diluted out; therefore, no qualification applied for all above noted samples.

The Florisil Cartridge Check and GPC Calibration Checks met the QC criteria; therefore, the results are acceptable.

3.CALIBRATION

Initial and continuing calibration standards of Volatile, Semivolatile and Pesticide/PCB were evaluated for the Target Compounds List (TCLs) and outliers were recorded on the outlier forms included as a part of this narrative.

4.METHOD BLANK

Volatile:

VBLK1, VBLK2, VBLK3 and VBLK4 are the low level soil Volatile method blanks. VBLK3 and VBLK4 are clean. VBLK1 and VBLK2 contained Methylene Chloride (1 µg/Kg and 3 µg/Kg respectively).
Methylene Chloride is the common laboratory contaminant. The presence of the common laboratory contaminant in any of the samples associated with VBLK1 and VBLK2 is flagged as non-detected "U" when sample results are less than ten (10) times the blank results.
The Volatile method blank summary (FORM IV VOA) lists the associated samples.

VHBLK1 is the Volatile storage blank. This blank did not contain any Volatile target and tentatively identified compounds. There were no samples associated with the storage blank.

Semivolatile:

SBLK1 and SBLK2 are the low level soil Semivolatile method blanks. SBLK1 was contaminated with Diethylphthalate (120 µg/Kg), Di-n-butylphthalate (40 µg/Kg) and bis(2-Ethylhexyl)phthalate (26 µg/Kg) and reported nine (9) Semivolatile tentatively identified compounds. SBLK2 was contaminated with Diethylphthalate (32 µg/Kg) and bis(2-Ethylhexyl)phthalate (34 µg/Kg) and reported twelve (12) Semivolatile tentatively identified compounds.
Di-n-butylphthalate, Diethylphthalete and bis(2-Ethylhexyl)phthalate are the common laboratory contaminants (phthalate esters).
The presence of the common laboratory contaminants in any of the samples associated with SBLK1 and SBLK2 is flagged as non-detected "U" when sample results are less than ten (10) times the blank