2317

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601

November 13, 1992

REC'D.
NOV 20 1992
WPB-SAS

Ms. Ramona J. Klein
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, GA 30365

RE: Site Screening Investigation
Brown's Plating Service, Inc.
McCracken County, KY
EPA ID# KYD 024143711

Dear Ms. Klein:

Enclosed, please find copies of the sample analysis reports with total cyanide added. Please remove the previous reports and replace with the enclosed.

Sincerely,

V. Murali Rao, Env. Eng. Tech.
Federal Superfund Section

MR:kb

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DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00001
Sample Number: 9104697

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley — **Date:** 12/16/91 **Time:** 1100

Delivered by: Mike Talley — **Date:** 12/17/91 **Time:** 0840

Received by: Polly Ellis — **Date:** 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP01 Background soil 0.5' to 1.0'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	22.7 mg/Kg
Barium	59.1 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	16.7 mg/Kg
Lead	6.82 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 8.0 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 32.2 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 5.6 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 5.6 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.018 mg/Kg
Chloromethane	ND @ 0.018 mg/Kg
Vinyl Chloride	ND @ 0.018 mg/Kg
Bromomethane	ND @ 0.018 mg/Kg
Chloroethane	ND @ 0.018 mg/Kg
Trichlorofluoromethane	ND @ 0.018 mg/Kg
1,1-Dichloroethene	ND @ 0.018 mg/Kg
Dichloromethane (Methylene Chloride)	0.250 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.018 mg/Kg
1,1-Dichloroethane	ND @ 0.018 mg/Kg
2,2-Dichloropropane	ND @ 0.018 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.018 mg/Kg
Bromochloromethane	ND @ 0.018 mg/Kg
Chloroform	0.032 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.018 mg/Kg
Carbon Tetrachloride	ND @ 0.018 mg/Kg
1,1-Dichloropropene	ND @ 0.018 mg/Kg
Benzene	ND @ 0.018 mg/Kg
1,2-Dichloroethane	ND @ 0.018 mg/Kg
Trichloroethene	ND @ 0.018 mg/Kg
1,2-Dichloropropane	ND @ 0.018 mg/Kg
Dibromomethane	ND @ 0.018 mg/Kg
Bromodichloromethane	ND @ 0.018 mg/Kg
2-Chloroethylvinylether	ND @ 0.018 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.018 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
4-Methyl-2-pentanone (MIBK)	ND @ 0.018 mg/Kg
Toluene	ND @ 0.018 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.018 mg/Kg
1,1,2-Trichloroethane	ND @ 0.018 mg/Kg
Tetrachloroethene	ND @ 0.018 mg/Kg
1,3-Dichloropropane	ND @ 0.018 mg/Kg
Dibromochloromethane	ND @ 0.018 mg/Kg
2-Hexanone (Methyl butyl ketone)	ND @ 0.018 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.018 mg/Kg
Chlorobenzene	ND @ 0.018 mg/Kg
1-Chlorohexane	ND @ 0.018 mg/Kg
Ethyl Benzene	ND @ 0.018 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.018 mg/Kg
1,2-Xylene	ND @ 0.018 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.018 mg/Kg
Styrene	ND @ 0.018 mg/Kg
Bromoform	ND @ 0.018 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.018 mg/Kg
Bromobenzene	ND @ 0.018 mg/Kg
1,2,3-Trichloropropane	ND @ 0.018 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.018 mg/Kg
n-Propylbenzene	ND @ 0.018 mg/Kg
2-Chlorotoluene	ND @ 0.018 mg/Kg
3-Chlorotoluene	ND @ 0.018 mg/Kg
4-Chlorotoluene	ND @ 0.018 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.018 mg/Kg
tert-Butylbenzene	ND @ 0.018 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.018 mg/Kg
sec-Butylbenzene	ND @ 0.018 mg/Kg
1,3-Dichlorobenzene	ND @ 0.018 mg/Kg
1,4-Dichlorobenzene	ND @ 0.018 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.018 mg/Kg
1,2-Dichlorobenzene	ND @ 0.018 mg/Kg
n-Butylbenzene	ND @ 0.018 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.018 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.018 mg/Kg
Naphthalene	ND @ 0.018 mg/Kg
Hexachlorobutadiene	ND @ 0.018 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.018 mg/Kg
Phenol	ND @ 0.018 mg/Kg
Aniline	ND @ 0.77 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.77 mg/Kg
2-Chlorophenol	ND @ 0.77 mg/Kg
1,3-Dichlorobenzene	ND @ 0.77 mg/Kg
1,4-Dichlorobenzene	ND @ 0.77 mg/Kg
Benzyl Alcohol	ND @ 0.77 mg/Kg
1,2-Dichlorobenzene	ND @ 1.5 mg/Kg
2-Methylphenol	ND @ 0.77 mg/Kg
4-Methylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.77 mg/Kg
	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
N-Nitroso-di-n-propylamine	ND @ 0.77 mg/Kg
Hexachloroethane	ND @ 0.77 mg/Kg
Nitrobenzene	ND @ 0.77 mg/Kg
Isophorone	ND @ 0.77 mg/Kg
2-Nitrophenol	ND @ 0.77 mg/Kg
2,4-Dimethylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.77 mg/Kg
Benzoic Acid	ND @ 3.7 mg/Kg
2,4-Dichlorophenol	ND @ 0.77 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.77 mg/Kg
Naphthalene	ND @ 0.77 mg/Kg
4-Chloroaniline	ND @ 1.5 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 1.5 mg/Kg
4-Chloro-3-methylphenol	ND @ 0.77 mg/Kg
2-Methylnaphthalene	ND @ 0.77 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.77 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.77 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.7 mg/Kg
2-Chloronaphthalene	ND @ 0.77 mg/Kg
2-Nitroaniline	ND @ 3.7 mg/Kg
Dimethyl Phthalate	ND @ 0.77 mg/Kg
Acenaphthylene	ND @ 0.77 mg/Kg
2,6-Dinitrotoluene	ND @ 0.77 mg/Kg
3-Nitroaniline	ND @ 3.7 mg/Kg
Acenaphthene	ND @ 0.77 mg/Kg
2,4-Dinitrophenol	ND @ 3.7 mg/Kg
4-Nitrophenol	ND @ 3.7 mg/Kg
Dibenzofuran	ND @ 0.77 mg/Kg
2,4-Dinitrotoluene	ND @ 0.77 mg/Kg
Diethyl Phthalate	ND @ 0.77 mg/Kg
Fluorene	ND @ 0.77 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.77 mg/Kg
4-Nitroaniline	ND @ 3.7 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.7 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.77 mg/Kg
Diphenyl Amine	ND @ 0.77 mg/Kg
Azobenzene	ND @ 0.77 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.77 mg/Kg
Hexachlorobenzene	ND @ 0.77 mg/Kg
Pentachlorophenol	ND @ 3.7 mg/Kg
Phenanthrene	ND @ 0.77 mg/Kg
Anthracene	ND @ 0.77 mg/Kg
Carbazole	ND @ 0.77 mg/Kg
Dibutyl Phthalate	ND @ 0.77 mg/Kg
Fluoranthene	ND @ 0.77 mg/Kg
Benzidine	ND @ 3.8 mg/Kg
Pyrene	ND @ 0.77 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.77 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.5 mg/Kg
Benzo(A)Anthracene	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Chrysene	ND @ 0.77 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.77 mg/Kg
Dioctylphthalate	ND @ 0.77 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(A)Pyrene	ND @ 0.77 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.77 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.77 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.77 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00002
Sample Number: 9104698

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1145

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP02 Subsurface soil 8.5' to 9.0'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	16.8 mg/Kg
Barium	44.7 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	19.6 mg/Kg
Lead	6.28 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.1 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 33.0 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 5.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 5.8 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.018 mg/Kg
Chloromethane	ND @ 0.018 mg/Kg
Vinyl Chloride	ND @ 0.018 mg/Kg
Bromomethane	ND @ 0.018 mg/Kg
Chloroethane	ND @ 0.018 mg/Kg
Trichlorofluoromethane	ND @ 0.018 mg/Kg
1,1-Dichloroethene	ND @ 0.018 mg/Kg
Dichloromethane (Methylene Chloride)	0.210 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.018 mg/Kg
1,1-Dichloroethane	ND @ 0.018 mg/Kg
Vinyl Acetate	ND @ 0.018 mg/Kg
2-Butanone (Methyl Ethyl Ketone)	ND @ 0.018 mg/Kg
2,2-Dichloropropane	ND @ 0.018 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.018 mg/Kg
Bromochloromethane	ND @ 0.018 mg/Kg
Chloroform	0.031 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.018 mg/Kg
Carbon Tetrachloride	ND @ 0.018 mg/Kg
1,1-Dichloropropene	ND @ 0.018 mg/Kg
Benzene	ND @ 0.018 mg/Kg
1,2-Dichloroethane	ND @ 0.018 mg/Kg
Trichloroethene	ND @ 0.018 mg/Kg
1,2-Dichloropropane	ND @ 0.018 mg/Kg
Dibromomethane	ND @ 0.018 mg/Kg
Bromodichloromethane	ND @ 0.018 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
cis-1,3-Dichloropropene	ND @ 0.018 mg/Kg
Toluene	ND @ 0.018 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.018 mg/Kg
1,1,2-Trichloroethane	ND @ 0.018 mg/Kg
Tetrachloroethene	ND @ 0.018 mg/Kg
1,3-Dichloropropane	ND @ 0.018 mg/Kg
Dibromochloromethane	ND @ 0.018 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.018 mg/Kg
Chlorobenzene	ND @ 0.018 mg/Kg
Ethyl Benzene	ND @ 0.018 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.018 mg/Kg
1,2-Xylene	ND @ 0.018 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.018 mg/Kg
Styrene	ND @ 0.018 mg/Kg
Bromoform	ND @ 0.018 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.018 mg/Kg
Bromobenzene	ND @ 0.018 mg/Kg
1,2,3-Trichloropropane	ND @ 0.018 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.018 mg/Kg
n-Propylbenzene	ND @ 0.018 mg/Kg
2-Chlorotoluene	ND @ 0.018 mg/Kg
3-Chlorotoluene	ND @ 0.018 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.018 mg/Kg
tert-Butylbenzene	ND @ 0.018 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.018 mg/Kg
sec-Butylbenzene	ND @ 0.018 mg/Kg
1,3-Dichlorobenzene	ND @ 0.018 mg/Kg
1,4-Dichlorobenzene	ND @ 0.018 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.018 mg/Kg
1,2-Dichlorobenzene	ND @ 0.018 mg/Kg
n-Butylbenzene	ND @ 0.018 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.018 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.018 mg/Kg
Naphthalene	ND @ 0.018 mg/Kg
Hexachlorobutadiene	ND @ 0.018 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.018 mg/Kg
Phenol	ND @ 7.9 mg/Kg
Aniline	ND @ 7.9 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 7.9 mg/Kg
2-Chlorophenol	ND @ 7.9 mg/Kg
1,3-Dichlorobenzene	ND @ 7.9 mg/Kg
1,4-Dichlorobenzene	ND @ 7.9 mg/Kg
Benzyl Alcohol	ND @ 1.6 mg/Kg
1,2-Dichlorobenzene	ND @ 7.9 mg/Kg
2-Methylphenol	ND @ 7.9 mg/Kg
4-Methylphenol	ND @ 7.9 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 7.9 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 7.9 mg/Kg
Hexachloroethane	ND @ 7.9 mg/Kg
Nitrobenzene	ND @ 7.9 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Isophorone	ND @ 7.9 mg/Kg
2-Nitrophenol	ND @ 7.9 mg/Kg
2,4-Dimethylphenol	ND @ 7.9 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 7.9 mg/Kg
Benzoic Acid	ND @ 3.8 mg/Kg
2,4-Dichlorophenol	ND @ 7.9 mg/Kg
1,2,4-Trichlorobenzene	ND @ 7.9 mg/Kg
Naphthalene	ND @ 7.9 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 7.9 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 7.9 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 7.9 mg/Kg
2,4,6-Trichlorophenol	ND @ 7.9 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 7.9 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 7.9 mg/Kg
Acenaphthylene	ND @ 7.9 mg/Kg
2,6-Dinitrotoluene	ND @ 7.9 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 7.9 mg/Kg
2,4-Dinitrophenol	ND @ 3.8 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 7.9 mg/Kg
2,4-Dinitrotoluene	ND @ 7.9 mg/Kg
Diethyl Phthalate	ND @ 7.9 mg/Kg
Fluorene	ND @ 7.9 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 7.9 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 7.9 mg/Kg
Diphenyl Amine	ND @ 7.9 mg/Kg
Azobenzene	ND @ 7.9 mg/Kg
4-Bromophenyl phenyl ether	ND @ 7.9 mg/Kg
Hexachlorobenzene	ND @ 7.9 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 7.9 mg/Kg
Anthracene	ND @ 7.9 mg/Kg
Carbazole	ND @ 7.9 mg/Kg
Dibutyl Phthalate	ND @ 7.9 mg/Kg[B]
Fluoranthene	ND @ 7.9 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 7.9 mg/Kg
Butyl Benzyl Phthalate	ND @ 7.9 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 7.9 mg/Kg
Chrysene	ND @ 7.9 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 7.9 mg/Kg
Dioctylphthalate	ND @ 7.9 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Benzo(B)Fluoranthene	ND @ 7.9 mg/Kg
Benzo(K)Fluoranthene	ND @ 7.9 mg/Kg
Benzo(A)Pyrene	ND @ 7.9 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 7.9 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 7.9 mg/Kg
Benzo(G,H,I)Perylene	ND @ 7.9 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
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BRERETON C. JONES
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COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00003
Sample Number: 9104699

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley — **Date:** 12/16/91 **Time:** 1245

Delivered by: Mike Talley — **Date:** 12/17/91 **Time:** 0840

Received by: Polly Ellis — **Date:** 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP03 Subsurface soil 5.0' to 5.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	8.96 mg/Kg
Barium	69.0 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	64.5 mg/Kg
Lead	8.96 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.3 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 17.2 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 3.0 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 3.0 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.019 mg/Kg
Chloromethane	ND @ 0.019 mg/Kg
Vinyl Chloride	ND @ 0.019 mg/Kg
Bromomethane	ND @ 0.019 mg/Kg
Chloroethane	ND @ 0.019 mg/Kg
Trichlorofluoromethane	ND @ 0.019 mg/Kg
1,1-Dichloroethene	ND @ 0.019 mg/Kg
Dichloromethane (Methylene Chloride)	0.120 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.019 mg/Kg
1,1-Dichloroethane	ND @ 0.019 mg/Kg
Vinyl Acetate	ND @ 0.019 mg/Kg
2-Butanone (Methyl Ethyl Ketone)	ND @ 0.019 mg/Kg
2,2-Dichloropropane	ND @ 0.019 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.019 mg/Kg
Bromochloromethane	ND @ 0.019 mg/Kg
Chloroform	0.028 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.019 mg/Kg
Carbon Tetrachloride	ND @ 0.019 mg/Kg
1,1-Dichloropropene	ND @ 0.019 mg/Kg
Benzene	ND @ 0.019 mg/Kg
1,2-Dichloroethane	ND @ 0.019 mg/Kg
Trichloroethene	ND @ 0.019 mg/Kg
1,2-Dichloropropane	ND @ 0.019 mg/Kg
Dibromomethane	ND @ 0.019 mg/Kg
Bromodichloromethane	ND @ 0.019 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
2-Chloroethylvinylether	ND @ 0.019 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.019 mg/Kg
4-Methyl-2-pentanone (MIBK)	ND @ 0.019 mg/Kg
Toluene	ND @ 0.019 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.019 mg/Kg
1,1,2-Trichloroethane	ND @ 0.019 mg/Kg
Tetrachloroethene	ND @ 0.019 mg/Kg
1,3-Dichloropropane	ND @ 0.019 mg/Kg
Dibromochloromethane	ND @ 0.019 mg/Kg
2-Hexanone (Methyl butyl ketone)	ND @ 0.019 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.019 mg/Kg
Chlorobenzene	ND @ 0.019 mg/Kg
1-Chlorohexane	ND @ 0.019 mg/Kg
Ethyl Benzene	ND @ 0.019 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.019 mg/Kg
1,2-Xylene	ND @ 0.019 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.019 mg/Kg
Styrene	ND @ 0.019 mg/Kg
Bromoform	ND @ 0.019 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.019 mg/Kg
Bromobenzene	ND @ 0.019 mg/Kg
1,2,3-Trichloropropane	ND @ 0.019 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.019 mg/Kg
n-Propylbenzene	ND @ 0.019 mg/Kg
2-Chlorotoluene	ND @ 0.019 mg/Kg
3-Chlorotoluene	ND @ 0.019 mg/Kg
4-Chlorotoluene	ND @ 0.019 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.019 mg/Kg
tert-Butylbenzene	ND @ 0.019 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.019 mg/Kg
sec-Butylbenzene	ND @ 0.019 mg/Kg
1,3-Dichlorobenzene	ND @ 0.019 mg/Kg
1,4-Dichlorobenzene	ND @ 0.019 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.019 mg/Kg
1,2-Dichlorobenzene	ND @ 0.019 mg/Kg
n-Butylbenzene	ND @ 0.019 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.019 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.019 mg/Kg
Naphthalene	ND @ 0.019 mg/Kg
Hexachlorobutadiene	ND @ 0.019 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.019 mg/Kg
Phenol	ND @ 0.77 mg/Kg
Aniline	ND @ 0.77 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.77 mg/Kg
2-Chlorophenol	ND @ 0.77 mg/Kg
1,3-Dichlorobenzene	ND @ 0.77 mg/Kg
1,4-Dichlorobenzene	ND @ 0.77 mg/Kg
Benzyl Alcohol	ND @ 1.5 mg/Kg
1,2-Dichlorobenzene	ND @ 0.77 mg/Kg
2-Methylphenol	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
4-Methylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.77 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.77 mg/Kg
Hexachloroethane	ND @ 0.77 mg/Kg
Nitrobenzene	ND @ 0.77 mg/Kg
Isophorone	ND @ 0.77 mg/Kg
2-Nitrophenol	ND @ 0.77 mg/Kg
2,4-Dimethylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.77 mg/Kg
Benzoic Acid	ND @ 3.7 mg/Kg
2,4-Dichlorophenol	ND @ 0.77 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.77 mg/Kg
Naphthalene	ND @ 0.77 mg/Kg
4-Chloroaniline	ND @ 1.5 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.77 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.5 mg/Kg
2-Methylnaphthalene	ND @ 0.77 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.77 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.77 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.7 mg/Kg
2-Chloronaphthalene	ND @ 0.77 mg/Kg
2-Nitroaniline	ND @ 3.7 mg/Kg
Dimethyl Phthalate	ND @ 0.77 mg/Kg
Acenaphthylene	ND @ 0.77 mg/Kg
2,6-Dinitrotoluene	ND @ 0.77 mg/Kg
3-Nitroaniline	ND @ 3.7 mg/Kg
Acenaphthene	ND @ 0.77 mg/Kg
2,4-Dinitrophenol	ND @ 3.7 mg/Kg
4-Nitrophenol	ND @ 3.7 mg/Kg
Dibenzofuran	ND @ 0.77 mg/Kg
2,4-Dinitrotoluene	ND @ 0.77 mg/Kg
Diethyl Phthalate	ND @ 0.77 mg/Kg
Fluorene	ND @ 0.77 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.77 mg/Kg
4-Nitroaniline	ND @ 3.7 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.7 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.77 mg/Kg
Diphenyl Amine	ND @ 0.77 mg/Kg
Azobenzene	ND @ 0.77 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.77 mg/Kg
Hexachlorobenzene	ND @ 0.77 mg/Kg
Pentachlorophenol	ND @ 3.7 mg/Kg
Phenanthrene	ND @ 0.77 mg/Kg
Anthracene	ND @ 0.77 mg/Kg
Carbazole	ND @ 0.77 mg/Kg
Dibutyl Phthalate	ND @ 0.77 mg/Kg
Fluoranthene	ND @ 0.77 mg/Kg
Benzidine	ND @ 3.8 mg/Kg
Pyrene	ND @ 0.77 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
3,3'-Dichlorobenzidine	ND @ 1.5 mg/Kg
Benzo(A)Anthracene	ND @ 0.77 mg/Kg
Chrysene	ND @ 0.77 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.77 mg/Kg
Dioctylphthalate	ND @ 0.77 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(A)Pyrene	ND @ 0.77 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.77 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.77 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.77 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

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Division of Environmental Services

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COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00004
Sample Number: 9104700

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1315

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP04 Subsurface soil 8.0' to 8.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	11.6 mg/Kg
Barium	52.6 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	15.3 mg/Kg
Lead	5.50 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg
cis-Nonachlor	ND @ 0.04 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 16.1 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 2.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 2.8 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.016 mg/Kg
Chloromethane	ND @ 0.016 mg/Kg
Vinyl Chloride	ND @ 0.016 mg/Kg
Bromomethane	ND @ 0.016 mg/Kg
Chloroethane	ND @ 0.016 mg/Kg
Trichlorofluoromethane	ND @ 0.016 mg/Kg
1,1-Dichloroethene	ND @ 0.016 mg/Kg
Dichloromethane (Methylene Chloride)	0.160 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.016 mg/Kg
1,1-Dichloroethane	ND @ 0.016 mg/Kg
2,2-Dichloropropane	ND @ 0.016 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.016 mg/Kg
Bromochloromethane	ND @ 0.016 mg/Kg
Chloroform	0.032 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.016 mg/Kg
Carbon Tetrachloride	ND @ 0.016 mg/Kg
1,1-Dichloropropene	ND @ 0.016 mg/Kg
Benzene	ND @ 0.016 mg/Kg
1,2-Dichloroethane	ND @ 0.016 mg/Kg
Trichloroethene	ND @ 0.016 mg/Kg
1,2-Dichloropropane	ND @ 0.016 mg/Kg
Dibromomethane	ND @ 0.016 mg/Kg
Bromodichloromethane	ND @ 0.016 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.016 mg/Kg
Toluene	ND @ 0.016 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.016 mg/Kg
1,1,2-Trichloroethane	ND @ 0.016 mg/Kg
Tetrachloroethene	ND @ 0.016 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
1,3-Dichloropropane	ND @ 0.016 mg/Kg
Dibromochloromethane	ND @ 0.016 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.016 mg/Kg
Chlorobenzene	ND @ 0.016 mg/Kg
Ethyl Benzene	ND @ 0.016 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.016 mg/Kg
1,2-Xylene	ND @ 0.016 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.016 mg/Kg
Styrene	ND @ 0.016 mg/Kg
Bromoform	ND @ 0.016 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.016 mg/Kg
Bromobenzene	ND @ 0.016 mg/Kg
1,2,3-Trichloropropane	ND @ 0.016 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.016 mg/Kg
n-Propylbenzene	ND @ 0.016 mg/Kg
2-Chlorotoluene	ND @ 0.016 mg/Kg
3-Chlorotoluene	ND @ 0.016 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.016 mg/Kg
tert-Butylbenzene	ND @ 0.016 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.016 mg/Kg
sec-Butylbenzene	ND @ 0.016 mg/Kg
1,3-Dichlorobenzene	ND @ 0.016 mg/Kg
1,4-Dichlorobenzene	ND @ 0.016 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.016 mg/Kg
1,2-Dichlorobenzene	ND @ 0.016 mg/Kg
n-Butylbenzene	ND @ 0.016 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.016 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.016 mg/Kg
Naphthalene	ND @ 0.016 mg/Kg
Hexachlorobutadiene	ND @ 0.016 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.016 mg/Kg
Phenol	ND @ 0.78 mg/Kg
Aniline	ND @ 0.78 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.78 mg/Kg
2-Chlorophenol	ND @ 0.78 mg/Kg
1,3-Dichlorobenzene	ND @ 0.78 mg/Kg
1,4-Dichlorobenzene	ND @ 0.78 mg/Kg
Benzyl Alcohol	ND @ 1.6 mg/Kg
1,2-Dichlorobenzene	ND @ 0.78 mg/Kg
2-Methylphenol	ND @ 0.78 mg/Kg
4-Methylphenol	ND @ 0.78 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.78 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.78 mg/Kg
Hexachloroethane	ND @ 0.78 mg/Kg
Nitrobenzene	ND @ 0.78 mg/Kg
Isophorone	ND @ 0.78 mg/Kg
2-Nitrophenol	ND @ 0.78 mg/Kg
2,4-Dimethylphenol	ND @ 0.78 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.78 mg/Kg
Benzoic Acid	ND @ 3.8 mg/Kg
2,4-Dichlorophenol	ND @ 0.78 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.78 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Naphthalene	ND @ 0.78 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.78 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 0.78 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.78 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.78 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 0.78 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 0.78 mg/Kg
Acenaphthylene	ND @ 0.78 mg/Kg
2,6-Dinitrotoluene	ND @ 0.78 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 0.78 mg/Kg
2,4-Dinitrophenol	ND @ 0.78 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 0.78 mg/Kg
2,4-Dinitrotoluene	ND @ 0.78 mg/Kg
Diethyl Phthalate	ND @ 0.78 mg/Kg
Fluorene	ND @ 0.78 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.78 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.78 mg/Kg
Diphenyl Amine	ND @ 0.78 mg/Kg
Azobenzene	ND @ 0.78 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.78 mg/Kg
Hexachlorobenzene	ND @ 0.78 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 0.78 mg/Kg
Anthracene	ND @ 0.78 mg/Kg
Carbazole	ND @ 0.78 mg/Kg
Dibutyl Phthalate	ND @ 0.78 mg/Kg[B]
Fluoranthene	ND @ 0.78 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 0.78 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.78 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 0.78 mg/Kg
Chrysene	ND @ 0.78 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.78 mg/Kg
Dioctylphthalate	ND @ 0.78 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.78 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.78 mg/Kg
Benzo(A)Pyrene	ND @ 0.78 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.78 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.78 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.78 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide has been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

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NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00005
Sample Number: 9104701

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1400

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP05 Subsurface soil 5.0' to 5.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	12.7 mg/Kg
Barium	59.3 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	14.3 mg/Kg
Lead	8.47 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.1 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 16.3 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 2.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 2.8 mg/Kg
Picloram	ND @ 2.7 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.016 mg/Kg
Chloromethane	ND @ 0.016 mg/Kg
Vinyl Chloride	ND @ 0.016 mg/Kg
Bromomethane	ND @ 0.016 mg/Kg
Chloroethane	ND @ 0.016 mg/Kg
Trichlorofluoromethane	ND @ 0.016 mg/Kg
1,1-Dichloroethene	ND @ 0.016 mg/Kg
Dichloromethane (Methylene Chloride)	0.230 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.016 mg/Kg
1,1-Dichloroethane	ND @ 0.016 mg/Kg
2,2-Dichloropropane	ND @ 0.016 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.016 mg/Kg
Bromochloromethane	ND @ 0.016 mg/Kg
Chloroform	ND @ 0.016 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.016 mg/Kg
Carbon Tetrachloride	ND @ 0.016 mg/Kg
1,1-Dichloropropene	ND @ 0.016 mg/Kg
Benzene	ND @ 0.016 mg/Kg
1,2-Dichloroethane	ND @ 0.016 mg/Kg
Trichloroethene	ND @ 0.016 mg/Kg
1,2-Dichloropropane	ND @ 0.016 mg/Kg
Dibromomethane	ND @ 0.016 mg/Kg
Bromodichloromethane	ND @ 0.016 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.016 mg/Kg
Toluene	ND @ 0.016 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.016 mg/Kg
1,1,2-Trichloroethane	ND @ 0.016 mg/Kg
Tetrachloroethene	ND @ 0.016 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
1,3-Dichloropropane	ND @ 0.016 mg/Kg
Dibromochloromethane	ND @ 0.016 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.016 mg/Kg
Chlorobenzene	ND @ 0.016 mg/Kg
Ethyl Benzene	ND @ 0.016 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.016 mg/Kg
1,2-Xylene	ND @ 0.016 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.016 mg/Kg
Styrene	ND @ 0.016 mg/Kg
Bromoform	ND @ 0.016 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.016 mg/Kg
Bromobenzene	ND @ 0.016 mg/Kg
1,2,3-Trichloropropane	ND @ 0.016 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.016 mg/Kg
n-Propylbenzene	ND @ 0.016 mg/Kg
2-Chlorotoluene	ND @ 0.016 mg/Kg
3-Chlorotoluene	ND @ 0.016 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.016 mg/Kg
tert-Butylbenzene	ND @ 0.016 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.016 mg/Kg
sec-Butylbenzene	ND @ 0.016 mg/Kg
1,3-Dichlorobenzene	ND @ 0.016 mg/Kg
1,4-Dichlorobenzene	ND @ 0.016 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.016 mg/Kg
1,2-Dichlorobenzene	ND @ 0.016 mg/Kg
n-Butylbenzene	ND @ 0.016 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.016 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.016 mg/Kg
Naphthalene	ND @ 0.016 mg/Kg
Hexachlorobutadiene	ND @ 0.016 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.016 mg/Kg
Phenol	ND @ 0.016 mg/Kg
Aniline	ND @ 0.79 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.79 mg/Kg
2-Chlorophenol	ND @ 0.79 mg/Kg
1,3-Dichlorobenzene	ND @ 0.79 mg/Kg
1,4-Dichlorobenzene	ND @ 0.79 mg/Kg
Benzyl Alcohol	ND @ 0.79 mg/Kg
1,2-Dichlorobenzene	ND @ 1.6 mg/Kg
2-Methylphenol	ND @ 0.79 mg/Kg
4-Methylphenol	ND @ 0.79 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.79 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.79 mg/Kg
Hexachloroethane	ND @ 0.79 mg/Kg
Nitrobenzene	ND @ 0.79 mg/Kg
Isophorone	ND @ 0.79 mg/Kg
2-Nitrophenol	ND @ 0.79 mg/Kg
2,4-Dimethylphenol	ND @ 0.79 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.79 mg/Kg
Benzoic Acid	ND @ 0.79 mg/Kg
2,4-Dichlorophenol	ND @ 3.8 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.79 mg/Kg
	ND @ 0.79 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Naphthalene	ND @ 0.79 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.79 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 0.79 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.79 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.79 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 0.79 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 0.79 mg/Kg
Acenaphthylene	ND @ 0.79 mg/Kg
2,6-Dinitrotoluene	ND @ 0.79 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 0.79 mg/Kg
2,4-Dinitrophenol	ND @ 3.8 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 0.79 mg/Kg
2,4-Dinitrotoluene	ND @ 0.79 mg/Kg
Diethyl Phthalate	ND @ 0.79 mg/Kg
Fluorene	ND @ 0.79 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.79 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.79 mg/Kg
Diphenyl Amine	ND @ 0.79 mg/Kg
Azobenzene	ND @ 0.79 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.79 mg/Kg
Hexachlorobenzene	ND @ 0.79 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 0.79 mg/Kg
Anthracene	ND @ 0.79 mg/Kg
Carbazole	ND @ 0.79 mg/Kg
Dibutyl Phthalate	ND @ 0.79 mg/Kg
Fluoranthene	ND @ 0.79 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 0.79 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.79 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 0.79 mg/Kg
Chrysene	ND @ 0.79 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.79 mg/Kg
Dioctylphthalate	ND @ 0.79 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.79 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.79 mg/Kg
Benzo(A)Pyrene	ND @ 0.79 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.79 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.79 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.79 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00006
Sample Number: 9104702

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: James Smith

Date: 12/03/91 **Time:** 1115

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Water

Collection Method: Grab

Sample Identification: BP06 Field blank

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Dichlorodifluoromethane	ND @ 0.001 mg/L
Chloromethane	ND @ 0.001 mg/L
Vinyl Chloride	ND @ 0.001 mg/L
Bromomethane	ND @ 0.001 mg/L
Chloroethane	ND @ 0.001 mg/L
Trichlorofluoromethane	ND @ 0.001 mg/L
1,1-Dichloroethene	ND @ 0.001 mg/L
Dichloromethane (Methylene Chloride)	0.010 mg/L[B]
trans-1,2-Dichloroethene	ND @ 0.001 mg/L
1,1-Dichloroethane	ND @ 0.001 mg/L
2,2-Dichloropropane	ND @ 0.001 mg/L
cis-1,2-Dichloroethene	ND @ 0.001 mg/L
Bromochloromethane	ND @ 0.001 mg/L
Chloroform	ND @ 0.001 mg/L[B]
1,1,1-Trichloroethane	ND @ 0.001 mg/L
Carbon Tetrachloride	ND @ 0.001 mg/L
1,1-Dichloropropene	ND @ 0.001 mg/L
Benzene	ND @ 0.001 mg/L
1,2-Dichloroethane	ND @ 0.001 mg/L
Trichloroethene	ND @ 0.001 mg/L
1,2-Dichloropropane	ND @ 0.001 mg/L
Dibromomethane	ND @ 0.001 mg/L
Bromodichloromethane	ND @ 0.001 mg/L

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TOTAL CONSTITUENTS	CONCENTRATION
cis-1,3-Dichloropropene	ND @ 0.001 mg/L
Toluene	ND @ 0.001 mg/L
trans 1,3-Dichloropropene	ND @ 0.001 mg/L
1,1,2-Trichloroethane	ND @ 0.001 mg/L
Tetrachloroethene	ND @ 0.001 mg/L
1,3-Dichloropropane	ND @ 0.001 mg/L
Dibromochloromethane	ND @ 0.001 mg/L
1,2-Dibromoethane (EDB)	ND @ 0.001 mg/L
Chlorobenzene	ND @ 0.001 mg/L
Ethyl Benzene	ND @ 0.001 mg/L
1,1,1,2-Tetrachloroethane	ND @ 0.001 mg/L
1,2-Xylene	ND @ 0.001 mg/L
1,3-Xylene & 1,4-Xylene	ND @ 0.001 mg/L
Styrene	ND @ 0.001 mg/L
Bromoform	ND @ 0.001 mg/L
Isopropylbenzene (Cumene)	ND @ 0.001 mg/L
Bromobenzene	ND @ 0.001 mg/L
1,2,3-Trichloropropane	ND @ 0.001 mg/L
1,1,2,2-Tetrachloroethane	ND @ 0.001 mg/L
n-Propylbenzene	ND @ 0.001 mg/L
2-Chlorotoluene	ND @ 0.001 mg/L
3-Chlorotoluene	ND @ 0.001 mg/L
1,3,5-Trimethylbenzene	ND @ 0.001 mg/L
tert-Butylbenzene	ND @ 0.001 mg/L
1,2,4-Trimethylbenzene	ND @ 0.001 mg/L
sec-Butylbenzene	ND @ 0.001 mg/L
1,3-Dichlorobenzene	ND @ 0.001 mg/L
1,4-Dichlorobenzene	ND @ 0.001 mg/L
Isopropyl toluene (Cymene)	ND @ 0.001 mg/L
1,2-Dichlorobenzene	ND @ 0.001 mg/L
n-Butylbenzene	ND @ 0.001 mg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.001 mg/L
1,2,4-Trichlorobenzene	ND @ 0.001 mg/L
Naphthalene	ND @ 0.001 mg/L
Hexachlorobutadiene	ND @ 0.001 mg/L
1,2,3-Trichlorobenzene	ND @ 0.001 mg/L

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

2317

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601

November 13, 1992

REC'D.
NOV 20 1992
WPB-SAS

Ms. Ramona J. Klein
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, GA 30365

RE: Site Screening Investigation
Brown's Plating Service, Inc.
McCracken County, KY
EPA ID# KYD 024143711

Dear Ms. Klein:

Enclosed, please find copies of the sample analysis reports with total cyanide added. Please remove the previous reports and replace with the enclosed.

Sincerely,

V. Murali Rao, Env. Eng. Tech.
Federal Superfund Section

MR:kb

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PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00001
Sample Number: 9104697

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1100

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP01 Background soil 0.5' to 1.0'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	22.7 mg/Kg
Barium	59.1 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	16.7 mg/Kg
Lead	6.82 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 8.0 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 32.2 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 5.6 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 5.6 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.018 mg/Kg
Chloromethane	ND @ 0.018 mg/Kg
Vinyl Chloride	ND @ 0.018 mg/Kg
Bromomethane	ND @ 0.018 mg/Kg
Chloroethane	ND @ 0.018 mg/Kg
Trichlorofluoromethane	ND @ 0.018 mg/Kg
1,1-Dichloroethene	ND @ 0.018 mg/Kg
Dichloromethane (Methylene Chloride)	0.250 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.018 mg/Kg
1,1-Dichloroethane	ND @ 0.018 mg/Kg
2,2-Dichloropropane	ND @ 0.018 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.018 mg/Kg
Bromochloromethane	ND @ 0.018 mg/Kg
Chloroform	0.032 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.018 mg/Kg
Carbon Tetrachloride	ND @ 0.018 mg/Kg
1,1-Dichloropropene	ND @ 0.018 mg/Kg
Benzene	ND @ 0.018 mg/Kg
1,2-Dichloroethane	ND @ 0.018 mg/Kg
Trichloroethene	ND @ 0.018 mg/Kg
1,2-Dichloropropane	ND @ 0.018 mg/Kg
Dibromomethane	ND @ 0.018 mg/Kg
Bromodichloromethane	ND @ 0.018 mg/Kg
2-Chloroethylvinylether	ND @ 0.018 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.018 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
4-Methyl-2-pentanone (MIBK)	ND @ 0.018 mg/Kg
Toluene	ND @ 0.018 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.018 mg/Kg
1,1,2-Trichloroethane	ND @ 0.018 mg/Kg
Tetrachloroethene	ND @ 0.018 mg/Kg
1,3-Dichloropropane	ND @ 0.018 mg/Kg
Dibromochloromethane	ND @ 0.018 mg/Kg
2-Hexanone (Methyl butyl ketone)	ND @ 0.018 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.018 mg/Kg
Chlorobenzene	ND @ 0.018 mg/Kg
1-Chlorohexane	ND @ 0.018 mg/Kg
Ethyl Benzene	ND @ 0.018 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.018 mg/Kg
1,2-Xylene	ND @ 0.018 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.018 mg/Kg
Styrene	ND @ 0.018 mg/Kg
Bromoform	ND @ 0.018 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.018 mg/Kg
Bromobenzene	ND @ 0.018 mg/Kg
1,2,3-Trichloropropane	ND @ 0.018 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.018 mg/Kg
n-Propylbenzene	ND @ 0.018 mg/Kg
2-Chlorotoluene	ND @ 0.018 mg/Kg
3-Chlorotoluene	ND @ 0.018 mg/Kg
4-Chlorotoluene	ND @ 0.018 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.018 mg/Kg
tert-Butylbenzene	ND @ 0.018 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.018 mg/Kg
sec-Butylbenzene	ND @ 0.018 mg/Kg
1,3-Dichlorobenzene	ND @ 0.018 mg/Kg
1,4-Dichlorobenzene	ND @ 0.018 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.018 mg/Kg
1,2-Dichlorobenzene	ND @ 0.018 mg/Kg
n-Butylbenzene	ND @ 0.018 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.018 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.018 mg/Kg
Naphthalene	ND @ 0.018 mg/Kg
Hexachlorobutadiene	ND @ 0.018 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.018 mg/Kg
Phenol	ND @ 0.77 mg/Kg
Aniline	ND @ 0.77 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.77 mg/Kg
2-Chlorophenol	ND @ 0.77 mg/Kg
1,3-Dichlorobenzene	ND @ 0.77 mg/Kg
1,4-Dichlorobenzene	ND @ 0.77 mg/Kg
Benzyl Alcohol	ND @ 1.5 mg/Kg
1,2-Dichlorobenzene	ND @ 0.77 mg/Kg
2-Methylphenol	ND @ 0.77 mg/Kg
4-Methylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
N-Nitroso-di-n-propylamine	ND @ 0.77 mg/Kg
Hexachloroethane	ND @ 0.77 mg/Kg
Nitrobenzene	ND @ 0.77 mg/Kg
Isophorone	ND @ 0.77 mg/Kg
2-Nitrophenol	ND @ 0.77 mg/Kg
2,4-Dimethylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.77 mg/Kg
Benzoic Acid	ND @ 3.7 mg/Kg
2,4-Dichlorophenol	ND @ 0.77 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.77 mg/Kg
Naphthalene	ND @ 0.77 mg/Kg
4-Chloroaniline	ND @ 1.5 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 1.5 mg/Kg
4-Chloro-3-methylphenol	ND @ 0.77 mg/Kg
2-Methylnaphthalene	ND @ 0.77 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.77 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.77 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.7 mg/Kg
2-Chloronaphthalene	ND @ 0.77 mg/Kg
2-Nitroaniline	ND @ 3.7 mg/Kg
Dimethyl Phthalate	ND @ 0.77 mg/Kg
Acenaphthylene	ND @ 0.77 mg/Kg
2,6-Dinitrotoluene	ND @ 0.77 mg/Kg
3-Nitroaniline	ND @ 3.7 mg/Kg
Acenaphthene	ND @ 0.77 mg/Kg
2,4-Dinitrophenol	ND @ 3.7 mg/Kg
4-Nitrophenol	ND @ 3.7 mg/Kg
Dibenzofuran	ND @ 0.77 mg/Kg
2,4-Dinitrotoluene	ND @ 0.77 mg/Kg
Diethyl Phthalate	ND @ 0.77 mg/Kg
Fluorene	ND @ 0.77 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.77 mg/Kg
4-Nitroaniline	ND @ 3.7 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.7 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.77 mg/Kg
Diphenyl Amine	ND @ 0.77 mg/Kg
Azobenzene	ND @ 0.77 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.77 mg/Kg
Hexachlorobenzene	ND @ 0.77 mg/Kg
Pentachlorophenol	ND @ 3.7 mg/Kg
Phenanthrene	ND @ 0.77 mg/Kg
Anthracene	ND @ 0.77 mg/Kg
Carbazole	ND @ 0.77 mg/Kg
Dibutyl Phthalate	ND @ 0.77 mg/Kg
Fluoranthene	ND @ 0.77 mg/Kg
Benzidine	ND @ 3.8 mg/Kg
Pyrene	ND @ 0.77 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.77 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.5 mg/Kg
Benzo(A)Anthracene	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Chrysene	ND @ 0.77 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.77 mg/Kg
Dioctylphthalate	ND @ 0.77 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(A)Pyrene	ND @ 0.77 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.77 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.77 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.77 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00002
Sample Number: 9104698

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1145

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP02 Subsurface soil 8.5' to 9.0'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	16.8 mg/Kg
Barium	44.7 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	19.6 mg/Kg
Lead	6.28 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.1 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 33.0 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 5.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 5.8 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.018 mg/Kg
Chloromethane	ND @ 0.018 mg/Kg
Vinyl Chloride	ND @ 0.018 mg/Kg
Bromomethane	ND @ 0.018 mg/Kg
Chloroethane	ND @ 0.018 mg/Kg
Trichlorofluoromethane	ND @ 0.018 mg/Kg
1,1-Dichloroethene	ND @ 0.018 mg/Kg
Dichloromethane (Methylene Chloride)	0.210 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.018 mg/Kg
1,1-Dichloroethane	ND @ 0.018 mg/Kg
Vinyl Acetate	ND @ 0.018 mg/Kg
2-Butanone (Methyl Ethyl Ketone)	ND @ 0.018 mg/Kg
2,2-Dichloropropane	ND @ 0.018 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.018 mg/Kg
Bromochloromethane	ND @ 0.018 mg/Kg
Chloroform	0.031 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.018 mg/Kg
Carbon Tetrachloride	ND @ 0.018 mg/Kg
1,1-Dichloropropene	ND @ 0.018 mg/Kg
Benzene	ND @ 0.018 mg/Kg
1,2-Dichloroethane	ND @ 0.018 mg/Kg
Trichloroethene	ND @ 0.018 mg/Kg
1,2-Dichloropropane	ND @ 0.018 mg/Kg
Dibromomethane	ND @ 0.018 mg/Kg
Bromodichloromethane	ND @ 0.018 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
cis-1,3-Dichloropropene	ND @ 0.018 mg/Kg
Toluene	ND @ 0.018 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.018 mg/Kg
1,1,2-Trichloroethane	ND @ 0.018 mg/Kg
Tetrachloroethene	ND @ 0.018 mg/Kg
1,3-Dichloropropane	ND @ 0.018 mg/Kg
Dibromochloromethane	ND @ 0.018 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.018 mg/Kg
Chlorobenzene	ND @ 0.018 mg/Kg
Ethyl Benzene	ND @ 0.018 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.018 mg/Kg
1,2-Xylene	ND @ 0.018 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.018 mg/Kg
Styrene	ND @ 0.018 mg/Kg
Bromoform	ND @ 0.018 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.018 mg/Kg
Bromobenzene	ND @ 0.018 mg/Kg
1,2,3-Trichloropropane	ND @ 0.018 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.018 mg/Kg
n-Propylbenzene	ND @ 0.018 mg/Kg
2-Chlorotoluene	ND @ 0.018 mg/Kg
3-Chlorotoluene	ND @ 0.018 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.018 mg/Kg
tert-Butylbenzene	ND @ 0.018 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.018 mg/Kg
sec-Butylbenzene	ND @ 0.018 mg/Kg
1,3-Dichlorobenzene	ND @ 0.018 mg/Kg
1,4-Dichlorobenzene	ND @ 0.018 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.018 mg/Kg
1,2-Dichlorobenzene	ND @ 0.018 mg/Kg
n-Butylbenzene	ND @ 0.018 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.018 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.018 mg/Kg
Naphthalene	ND @ 0.018 mg/Kg
Hexachlorobutadiene	ND @ 0.018 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.018 mg/Kg
Phenol	ND @ 7.9 mg/Kg
Aniline	ND @ 7.9 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 7.9 mg/Kg
2-Chlorophenol	ND @ 7.9 mg/Kg
1,3-Dichlorobenzene	ND @ 7.9 mg/Kg
1,4-Dichlorobenzene	ND @ 7.9 mg/Kg
Benzyl Alcohol	ND @ 1.6 mg/Kg
1,2-Dichlorobenzene	ND @ 7.9 mg/Kg
2-Methylphenol	ND @ 7.9 mg/Kg
4-Methylphenol	ND @ 7.9 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 7.9 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 7.9 mg/Kg
Hexachloroethane	ND @ 7.9 mg/Kg
Nitrobenzene	ND @ 7.9 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Isophorone	ND @ 7.9 mg/Kg
2-Nitrophenol	ND @ 7.9 mg/Kg
2,4-Dimethylphenol	ND @ 7.9 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 7.9 mg/Kg
Benzoic Acid	ND @ 3.8 mg/Kg
2,4-Dichlorophenol	ND @ 7.9 mg/Kg
1,2,4-Trichlorobenzene	ND @ 7.9 mg/Kg
Naphthalene	ND @ 7.9 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 7.9 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 7.9 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 7.9 mg/Kg
2,4,6-Trichlorophenol	ND @ 7.9 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 7.9 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 7.9 mg/Kg
Acenaphthylene	ND @ 7.9 mg/Kg
2,6-Dinitrotoluene	ND @ 7.9 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 7.9 mg/Kg
2,4-Dinitrophenol	ND @ 3.8 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 7.9 mg/Kg
2,4-Dinitrotoluene	ND @ 7.9 mg/Kg
Diethyl Phthalate	ND @ 7.9 mg/Kg
Fluorene	ND @ 7.9 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 7.9 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 7.9 mg/Kg
Diphenyl Amine	ND @ 7.9 mg/Kg
Azobenzene	ND @ 7.9 mg/Kg
4-Bromophenyl phenyl ether	ND @ 7.9 mg/Kg
Hexachlorobenzene	ND @ 7.9 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 7.9 mg/Kg
Anthracene	ND @ 7.9 mg/Kg
Carbazole	ND @ 7.9 mg/Kg
Dibutyl Phthalate	ND @ 7.9 mg/Kg[B]
Fluoranthene	ND @ 7.9 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 7.9 mg/Kg
Butyl Benzyl Phthalate	ND @ 7.9 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 7.9 mg/Kg
Chrysene	ND @ 7.9 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 7.9 mg/Kg
Dioctylphthalate	ND @ 7.9 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Benzo(B)Fluoranthene	ND @ 7.9 mg/Kg
Benzo(K)Fluoranthene	ND @ 7.9 mg/Kg
Benzo(A)Pyrene	ND @ 7.9 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 7.9 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 7.9 mg/Kg
Benzo(G,H,I)Perylene	ND @ 7.9 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00003
Sample Number: 9104699

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1245

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP03 Subsurface soil 5.0' to 5.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	8.96 mg/Kg
Barium	69.0 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	64.5 mg/Kg
Lead	8.96 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.3 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 17.2 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 3.0 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 3.0 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.019 mg/Kg
Chloromethane	ND @ 0.019 mg/Kg
Vinyl Chloride	ND @ 0.019 mg/Kg
Bromomethane	ND @ 0.019 mg/Kg
Chloroethane	ND @ 0.019 mg/Kg
Trichlorofluoromethane	ND @ 0.019 mg/Kg
1,1-Dichloroethene	ND @ 0.019 mg/Kg
Dichloromethane (Methylene Chloride)	0.120 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.019 mg/Kg
1,1-Dichloroethane	ND @ 0.019 mg/Kg
Vinyl Acetate	ND @ 0.019 mg/Kg
2-Butanone (Methyl Ethyl Ketone)	ND @ 0.019 mg/Kg
2,2-Dichloropropane	ND @ 0.019 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.019 mg/Kg
Bromochloromethane	ND @ 0.019 mg/Kg
Chloroform	0.028 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.019 mg/Kg
Carbon Tetrachloride	ND @ 0.019 mg/Kg
1,1-Dichloropropene	ND @ 0.019 mg/Kg
Benzene	ND @ 0.019 mg/Kg
1,2-Dichloroethane	ND @ 0.019 mg/Kg
Trichloroethene	ND @ 0.019 mg/Kg
1,2-Dichloropropane	ND @ 0.019 mg/Kg
Dibromomethane	ND @ 0.019 mg/Kg
Bromodichloromethane	ND @ 0.019 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
2-Chloroethylvinylether	ND @ 0.019 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.019 mg/Kg
4-Methyl-2-pentanone (MIBK)	ND @ 0.019 mg/Kg
Toluene	ND @ 0.019 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.019 mg/Kg
1,1,2-Trichloroethane	ND @ 0.019 mg/Kg
Tetrachloroethene	ND @ 0.019 mg/Kg
1,3-Dichloropropane	ND @ 0.019 mg/Kg
Dibromochloromethane	ND @ 0.019 mg/Kg
2-Hexanone (Methyl butyl ketone)	ND @ 0.019 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.019 mg/Kg
Chlorobenzene	ND @ 0.019 mg/Kg
1-Chlorohexane	ND @ 0.019 mg/Kg
Ethyl Benzene	ND @ 0.019 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.019 mg/Kg
1,2-Xylene	ND @ 0.019 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.019 mg/Kg
Styrene	ND @ 0.019 mg/Kg
Bromoform	ND @ 0.019 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.019 mg/Kg
Bromobenzene	ND @ 0.019 mg/Kg
1,2,3-Trichloropropane	ND @ 0.019 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.019 mg/Kg
n-Propylbenzene	ND @ 0.019 mg/Kg
2-Chlorotoluene	ND @ 0.019 mg/Kg
3-Chlorotoluene	ND @ 0.019 mg/Kg
4-Chlorotoluene	ND @ 0.019 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.019 mg/Kg
tert-Butylbenzene	ND @ 0.019 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.019 mg/Kg
sec-Butylbenzene	ND @ 0.019 mg/Kg
1,3-Dichlorobenzene	ND @ 0.019 mg/Kg
1,4-Dichlorobenzene	ND @ 0.019 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.019 mg/Kg
1,2-Dichlorobenzene	ND @ 0.019 mg/Kg
n-Butylbenzene	ND @ 0.019 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.019 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.019 mg/Kg
Naphthalene	ND @ 0.019 mg/Kg
Hexachlorobutadiene	ND @ 0.019 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.019 mg/Kg
Phenol	ND @ 0.77 mg/Kg
Aniline	ND @ 0.77 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.77 mg/Kg
2-Chlorophenol	ND @ 0.77 mg/Kg
1,3-Dichlorobenzene	ND @ 0.77 mg/Kg
1,4-Dichlorobenzene	ND @ 0.77 mg/Kg
Benzyl Alcohol	ND @ 1.5 mg/Kg
1,2-Dichlorobenzene	ND @ 0.77 mg/Kg
2-Methylphenol	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
4-Methylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.77 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.77 mg/Kg
Hexachloroethane	ND @ 0.77 mg/Kg
Nitrobenzene	ND @ 0.77 mg/Kg
Isophorone	ND @ 0.77 mg/Kg
2-Nitrophenol	ND @ 0.77 mg/Kg
2,4-Dimethylphenol	ND @ 0.77 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.77 mg/Kg
Benzoic Acid	ND @ 3.7 mg/Kg
2,4-Dichlorophenol	ND @ 0.77 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.77 mg/Kg
Naphthalene	ND @ 0.77 mg/Kg
4-Chloroaniline	ND @ 1.5 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.77 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.5 mg/Kg
2-Methylnaphthalene	ND @ 0.77 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.77 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.77 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.7 mg/Kg
2-Chloronaphthalene	ND @ 0.77 mg/Kg
2-Nitroaniline	ND @ 3.7 mg/Kg
Dimethyl Phthalate	ND @ 0.77 mg/Kg
Acenaphthylene	ND @ 0.77 mg/Kg
2,6-Dinitrotoluene	ND @ 0.77 mg/Kg
3-Nitroaniline	ND @ 3.7 mg/Kg
Acenaphthene	ND @ 0.77 mg/Kg
2,4-Dinitrophenol	ND @ 3.7 mg/Kg
4-Nitrophenol	ND @ 3.7 mg/Kg
Dibenzofuran	ND @ 0.77 mg/Kg
2,4-Dinitrotoluene	ND @ 0.77 mg/Kg
Diethyl Phthalate	ND @ 0.77 mg/Kg
Fluorene	ND @ 0.77 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.77 mg/Kg
4-Nitroaniline	ND @ 3.7 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.7 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.77 mg/Kg
Diphenyl Amine	ND @ 0.77 mg/Kg
Azobenzene	ND @ 0.77 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.77 mg/Kg
Hexachlorobenzene	ND @ 0.77 mg/Kg
Pentachlorophenol	ND @ 3.7 mg/Kg
Phenanthrene	ND @ 0.77 mg/Kg
Anthracene	ND @ 0.77 mg/Kg
Carbazole	ND @ 0.77 mg/Kg
Dibutyl Phthalate	ND @ 0.77 mg/Kg
Fluoranthene	ND @ 0.77 mg/Kg
Benzidine	ND @ 3.8 mg/Kg
Pyrene	ND @ 0.77 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.77 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
3,3'-Dichlorobenzidine	ND @ 1.5 mg/Kg
Benzo(A)Anthracene	ND @ 0.77 mg/Kg
Chrysene	ND @ 0.77 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.77 mg/Kg
Dioctylphthalate	ND @ 0.77 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.77 mg/Kg
Benzo(A)Pyrene	ND @ 0.77 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.77 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.77 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.77 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00004
Sample Number: 9104700

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1315

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP04 Subsurface soil 8.0' to 8.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	11.6 mg/Kg
Barium	52.6 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	15.3 mg/Kg
Lead	5.50 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg
cis-Nonachlor	ND @ 0.04 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
P,P'-DDE	ND @ 0.27 mg/Kg
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 16.1 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 2.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 2.8 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.016 mg/Kg
Chloromethane	ND @ 0.016 mg/Kg
Vinyl Chloride	ND @ 0.016 mg/Kg
Bromomethane	ND @ 0.016 mg/Kg
Chloroethane	ND @ 0.016 mg/Kg
Trichlorofluoromethane	ND @ 0.016 mg/Kg
1,1-Dichloroethene	ND @ 0.016 mg/Kg
Dichloromethane (Methylene Chloride)	0.160 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.016 mg/Kg
1,1-Dichloroethane	ND @ 0.016 mg/Kg
2,2-Dichloropropane	ND @ 0.016 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.016 mg/Kg
Bromochloromethane	ND @ 0.016 mg/Kg
Chloroform	0.032 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.016 mg/Kg
Carbon Tetrachloride	ND @ 0.016 mg/Kg
1,1-Dichloropropene	ND @ 0.016 mg/Kg
Benzene	ND @ 0.016 mg/Kg
1,2-Dichloroethane	ND @ 0.016 mg/Kg
Trichloroethene	ND @ 0.016 mg/Kg
1,2-Dichloropropane	ND @ 0.016 mg/Kg
Dibromomethane	ND @ 0.016 mg/Kg
Bromodichloromethane	ND @ 0.016 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.016 mg/Kg
Toluene	ND @ 0.016 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.016 mg/Kg
1,1,2-Trichloroethane	ND @ 0.016 mg/Kg
Tetrachloroethene	ND @ 0.016 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
1,3-Dichloropropane	ND @ 0.016 mg/Kg
Dibromochloromethane	ND @ 0.016 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.016 mg/Kg
Chlorobenzene	ND @ 0.016 mg/Kg
Ethyl Benzene	ND @ 0.016 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.016 mg/Kg
1,2-Xylene	ND @ 0.016 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.016 mg/Kg
Styrene	ND @ 0.016 mg/Kg
Bromoform	ND @ 0.016 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.016 mg/Kg
Bromobenzene	ND @ 0.016 mg/Kg
1,2,3-Trichloropropane	ND @ 0.016 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.016 mg/Kg
n-Propylbenzene	ND @ 0.016 mg/Kg
2-Chlorotoluene	ND @ 0.016 mg/Kg
3-Chlorotoluene	ND @ 0.016 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.016 mg/Kg
tert-Butylbenzene	ND @ 0.016 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.016 mg/Kg
sec-Butylbenzene	ND @ 0.016 mg/Kg
1,3-Dichlorobenzene	ND @ 0.016 mg/Kg
1,4-Dichlorobenzene	ND @ 0.016 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.016 mg/Kg
1,2-Dichlorobenzene	ND @ 0.016 mg/Kg
n-Butylbenzene	ND @ 0.016 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.016 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.016 mg/Kg
Naphthalene	ND @ 0.016 mg/Kg
Hexachlorobutadiene	ND @ 0.016 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.016 mg/Kg
Phenol	ND @ 0.78 mg/Kg
Aniline	ND @ 0.78 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.78 mg/Kg
2-Chlorophenol	ND @ 0.78 mg/Kg
1,3-Dichlorobenzene	ND @ 0.78 mg/Kg
1,4-Dichlorobenzene	ND @ 0.78 mg/Kg
Benzyl Alcohol	ND @ 1.6 mg/Kg
1,2-Dichlorobenzene	ND @ 0.78 mg/Kg
2-Methylphenol	ND @ 0.78 mg/Kg
4-Methylphenol	ND @ 0.78 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.78 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.78 mg/Kg
Hexachloroethane	ND @ 0.78 mg/Kg
Nitrobenzene	ND @ 0.78 mg/Kg
Isophorone	ND @ 0.78 mg/Kg
2-Nitrophenol	ND @ 0.78 mg/Kg
2,4-Dimethylphenol	ND @ 0.78 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.78 mg/Kg
Benzoic Acid	ND @ 3.8 mg/Kg
2,4-Dichlorophenol	ND @ 0.78 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.78 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Naphthalene	ND @ 0.78 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.78 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 0.78 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.78 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.78 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 0.78 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 0.78 mg/Kg
Acenaphthylene	ND @ 0.78 mg/Kg
2,6-Dinitrotoluene	ND @ 0.78 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 0.78 mg/Kg
2,4-Dinitrophenol	ND @ 0.78 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 0.78 mg/Kg
2,4-Dinitrotoluene	ND @ 0.78 mg/Kg
Diethyl Phthalate	ND @ 0.78 mg/Kg
Fluorene	ND @ 0.78 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.78 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.78 mg/Kg
Diphenyl Amine	ND @ 0.78 mg/Kg
Azobenzene	ND @ 0.78 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.78 mg/Kg
Hexachlorobenzene	ND @ 0.78 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 0.78 mg/Kg
Anthracene	ND @ 0.78 mg/Kg
Carbazole	ND @ 0.78 mg/Kg
Dibutyl Phthalate	ND @ 0.78 mg/Kg[B]
Fluoranthene	ND @ 0.78 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 0.78 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.78 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 0.78 mg/Kg
Chrysene	ND @ 0.78 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.78 mg/Kg
Dioctylphthalate	ND @ 0.78 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.78 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.78 mg/Kg
Benzo(A)Pyrene	ND @ 0.78 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.78 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.78 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.78 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide has been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00005
Sample Number: 9104701

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: Mike Talley

Date: 12/16/91 **Time:** 1400

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Soil

Collection Method: Grab

Sample Identification: BP05 Subsurface soil 5.0' to 5.5'

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Cyanide, total	ND @ 0.005 mg/Kg
Arsenic	12.7 mg/Kg
Barium	59.3 mg/Kg
Cadmium	ND @ 0.5 mg/Kg
Chromium	14.3 mg/Kg
Lead	8.47 mg/Kg
Selenium	ND @ 0.5 mg/Kg
Silver	ND @ 0.5 mg/Kg
Hexachlorobenzene	ND @ 0.21 mg/Kg
Hexachlorocyclohexane,alpha isomer	ND @ 0.67 mg/Kg
Hexachlorocyclohexane,beta isomer	ND @ 0.27 mg/Kg
Hexachlorocyclohexane,gamma isomer	ND @ 0.404 mg/Kg
Hexachlorocyclohexane,delta isomer	ND @ 0.27 mg/Kg
Heptachlor	ND @ 0.27 mg/Kg
Aldrin	ND @ 2.01 mg/Kg
Chlorpyrifos	ND @ 2.01 mg/Kg
Heptachlor Epoxide	ND @ 0.404 mg/Kg
trans-Chlordane	ND @ 0.404 mg/Kg
cis-Chlordane	ND @ 0.404 mg/Kg
trans-Nonachlor	ND @ 0.04 mg/Kg
alpha-Chlordene	ND @ 0.404 mg/Kg
Chlordene	ND @ 0.404 mg/Kg
gamma-Chlordene	ND @ 0.404 mg/Kg
cis-Nonachlor	ND @ 0.04 mg/Kg
P,P'-DDE	ND @ 0.27 mg/Kg

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TOTAL CONSTITUENTS	CONCENTRATION
Dieldrin	ND @ 0.54 mg/Kg
Endrin	ND @ 0.404 mg/Kg
P,P'-DDD	ND @ 0.67 mg/Kg
P,P'-DDT	ND @ 1.61 mg/Kg
Total DDT	ND @ 1.61 mg/Kg
Methoxychlor	ND @ 1.34 mg/Kg
Endosulfan I	ND @ 0.404 mg/Kg
Endosulfan II	ND @ 0.644 mg/Kg
Endosulfan Sulfate	ND @ 0.404 mg/Kg
Endrin Aldehyde	ND @ 0.67 mg/Kg
Dicamba	ND @ 4.1 mg/Kg
2,4-Dichlorophenoxyacetic Acid	ND @ 16.3 mg/Kg
2,4,5-Trichlorophenoxyacetic Acid	ND @ 2.8 mg/Kg
2-(2,4,5-Trichlorophenoxy)Propionic Acid	ND @ 2.8 mg/Kg
Picloram	ND @ 2.7 mg/Kg
Aroclor 1016	ND @ 2.7 mg/Kg
Aroclor 1221	ND @ 2.7 mg/Kg
Aroclor 1232	ND @ 2.7 mg/Kg
Aroclor 1242	ND @ 2.7 mg/Kg
Aroclor 1248	ND @ 2.7 mg/Kg
Aroclor 1254	ND @ 2.7 mg/Kg
Aroclor 1260	ND @ 2.7 mg/Kg
Aroclor 1262	ND @ 2.7 mg/Kg
Aroclor 1268	ND @ 2.7 mg/Kg
Dichlorodifluoromethane	ND @ 0.016 mg/Kg
Chloromethane	ND @ 0.016 mg/Kg
Vinyl Chloride	ND @ 0.016 mg/Kg
Bromomethane	ND @ 0.016 mg/Kg
Chloroethane	ND @ 0.016 mg/Kg
Trichlorofluoromethane	ND @ 0.016 mg/Kg
1,1-Dichloroethene	ND @ 0.016 mg/Kg
Dichloromethane (Methylene Chloride)	0.230 mg/Kg[B]
trans-1,2-Dichloroethene	ND @ 0.016 mg/Kg
1,1-Dichloroethane	ND @ 0.016 mg/Kg
2,2-Dichloropropane	ND @ 0.016 mg/Kg
cis-1,2-Dichloroethene	ND @ 0.016 mg/Kg
Bromochloromethane	ND @ 0.016 mg/Kg
Chloroform	ND @ 0.016 mg/Kg[B]
1,1,1-Trichloroethane	ND @ 0.016 mg/Kg
Carbon Tetrachloride	ND @ 0.016 mg/Kg
1,1-Dichloropropene	ND @ 0.016 mg/Kg
Benzene	ND @ 0.016 mg/Kg
1,2-Dichloroethane	ND @ 0.016 mg/Kg
Trichloroethene	ND @ 0.016 mg/Kg
1,2-Dichloropropane	ND @ 0.016 mg/Kg
Dibromomethane	ND @ 0.016 mg/Kg
Bromodichloromethane	ND @ 0.016 mg/Kg
cis-1,3-Dichloropropene	ND @ 0.016 mg/Kg
Toluene	ND @ 0.016 mg/Kg
trans 1,3-Dichloropropene	ND @ 0.016 mg/Kg
1,1,2-Trichloroethane	ND @ 0.016 mg/Kg
Tetrachloroethene	ND @ 0.016 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
1,3-Dichloropropane	ND @ 0.016 mg/Kg
Dibromochloromethane	ND @ 0.016 mg/Kg
1,2-Dibromoethane (EDB)	ND @ 0.016 mg/Kg
Chlorobenzene	ND @ 0.016 mg/Kg
Ethyl Benzene	ND @ 0.016 mg/Kg
1,1,1,2-Tetrachloroethane	ND @ 0.016 mg/Kg
1,2-Xylene	ND @ 0.016 mg/Kg
1,3-Xylene & 1,4-Xylene	ND @ 0.016 mg/Kg
Styrene	ND @ 0.016 mg/Kg
Bromoform	ND @ 0.016 mg/Kg
Isopropylbenzene (Cumene)	ND @ 0.016 mg/Kg
Bromobenzene	ND @ 0.016 mg/Kg
1,2,3-Trichloropropane	ND @ 0.016 mg/Kg
1,1,2,2-Tetrachloroethane	ND @ 0.016 mg/Kg
n-Propylbenzene	ND @ 0.016 mg/Kg
2-Chlorotoluene	ND @ 0.016 mg/Kg
3-Chlorotoluene	ND @ 0.016 mg/Kg
1,3,5-Trimethylbenzene	ND @ 0.016 mg/Kg
tert-Butylbenzene	ND @ 0.016 mg/Kg
1,2,4-Trimethylbenzene	ND @ 0.016 mg/Kg
sec-Butylbenzene	ND @ 0.016 mg/Kg
1,3-Dichlorobenzene	ND @ 0.016 mg/Kg
1,4-Dichlorobenzene	ND @ 0.016 mg/Kg
Isopropyl toluene (Cymene)	ND @ 0.016 mg/Kg
1,2-Dichlorobenzene	ND @ 0.016 mg/Kg
n-Butylbenzene	ND @ 0.016 mg/Kg
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.016 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.016 mg/Kg
Naphthalene	ND @ 0.016 mg/Kg
Hexachlorobutadiene	ND @ 0.016 mg/Kg
1,2,3-Trichlorobenzene	ND @ 0.016 mg/Kg
Phenol	ND @ 0.79 mg/Kg
Aniline	ND @ 0.79 mg/Kg
Bis-(2-Chloroethyl)ether	ND @ 0.79 mg/Kg
2-Chlorophenol	ND @ 0.79 mg/Kg
1,3-Dichlorobenzene	ND @ 0.79 mg/Kg
1,4-Dichlorobenzene	ND @ 0.79 mg/Kg
Benzyl Alcohol	ND @ 1.6 mg/Kg
1,2-Dichlorobenzene	ND @ 0.79 mg/Kg
2-Methylphenol	ND @ 0.79 mg/Kg
4-Methylphenol	ND @ 0.79 mg/Kg
Bis-(2-Chloroisopropyl)ether	ND @ 0.79 mg/Kg
N-Nitroso-di-n-propylamine	ND @ 0.79 mg/Kg
Hexachloroethane	ND @ 0.79 mg/Kg
Nitrobenzene	ND @ 0.79 mg/Kg
Isophorone	ND @ 0.79 mg/Kg
2-Nitrophenol	ND @ 0.79 mg/Kg
2,4-Dimethylphenol	ND @ 0.79 mg/Kg
Bis-(2-Chloroethoxy)methane	ND @ 0.79 mg/Kg
Benzoic Acid	ND @ 3.8 mg/Kg
2,4-Dichlorophenol	ND @ 0.79 mg/Kg
1,2,4-Trichlorobenzene	ND @ 0.79 mg/Kg

TOTAL CONSTITUENTS	CONCENTRATION
Naphthalene	ND @ 0.79 mg/Kg
4-Chloroaniline	ND @ 1.6 mg/Kg
1,1,2,3,4,4-Hexachloro-1,3-butadiene	ND @ 0.79 mg/Kg
4-Chloro-3-methylphenol	ND @ 1.6 mg/Kg
2-Methylnaphthalene	ND @ 0.79 mg/Kg
1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene	ND @ 0.79 mg/Kg
2,4,6-Trichlorophenol	ND @ 0.79 mg/Kg
2,4,5-Trichlorophenol	ND @ 3.8 mg/Kg
2-Chloronaphthalene	ND @ 0.79 mg/Kg
2-Nitroaniline	ND @ 3.8 mg/Kg
Dimethyl Phthalate	ND @ 0.79 mg/Kg
Acenaphthylene	ND @ 0.79 mg/Kg
2,6-Dinitrotoluene	ND @ 0.79 mg/Kg
3-Nitroaniline	ND @ 3.8 mg/Kg
Acenaphthene	ND @ 0.79 mg/Kg
2,4-Dinitrophenol	ND @ 3.8 mg/Kg
4-Nitrophenol	ND @ 3.8 mg/Kg
Dibenzofuran	ND @ 0.79 mg/Kg
2,4-Dinitrotoluene	ND @ 0.79 mg/Kg
Diethyl Phthalate	ND @ 0.79 mg/Kg
Fluorene	ND @ 0.79 mg/Kg
4-Chlorophenyl phenyl ether	ND @ 0.79 mg/Kg
4-Nitroaniline	ND @ 3.8 mg/Kg
2-Methyl-4,6-Dinitrophenol	ND @ 3.8 mg/Kg
N-Nitrosodiphenylamine	ND @ 0.79 mg/Kg
Diphenyl Amine	ND @ 0.79 mg/Kg
Azobenzene	ND @ 0.79 mg/Kg
4-Bromophenyl phenyl ether	ND @ 0.79 mg/Kg
Hexachlorobenzene	ND @ 0.79 mg/Kg
Pentachlorophenol	ND @ 3.8 mg/Kg
Phenanthrene	ND @ 0.79 mg/Kg
Anthracene	ND @ 0.79 mg/Kg
Carbazole	ND @ 0.79 mg/Kg
Dibutyl Phthalate	ND @ 0.79 mg/Kg
Fluoranthene	ND @ 0.79 mg/Kg
Benzidine	ND @ 3.9 mg/Kg
Pyrene	ND @ 0.79 mg/Kg
Butyl Benzyl Phthalate	ND @ 0.79 mg/Kg
3,3'-Dichlorobenzidine	ND @ 1.6 mg/Kg
Benzo(A)Anthracene	ND @ 0.79 mg/Kg
Chrysene	ND @ 0.79 mg/Kg
Bis(2-Ethylhexyl)Phthalate	ND @ 0.79 mg/Kg
Dioctylphthalate	ND @ 0.79 mg/Kg
Benzo(B)Fluoranthene	ND @ 0.79 mg/Kg
Benzo(K)Fluoranthene	ND @ 0.79 mg/Kg
Benzo(A)Pyrene	ND @ 0.79 mg/Kg
Indeno(1,2,3-C,D)Pyrene	ND @ 0.79 mg/Kg
Dibenzo(A,H)Anthracene	ND @ 0.79 mg/Kg
Benzo(G,H,I)Perylene	ND @ 0.79 mg/Kg

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc. Total cyanide results have been added to this report.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis

William E. Davis, Director
Division of Environmental Services

PHILLIP J. SHEPHERD
SECRETARY

BRERETON C. JONES
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

May 20, 1992

Division of Environmental Services
Report Number: B45-00006
Sample Number: 9104702

TO: Division of Waste Management
Frankfort Office Park
Frankfort, Kentucky 40601

RE: Brown's Plating Service

ATTN: Carl Millanti

County: McCracken

Facility: SITE#01961

Collected by: James Smith

Date: 12/03/91 **Time:** 1115

Delivered by: Mike Talley

Date: 12/17/91 **Time:** 0840

Received by: Polly Ellis

Date: 12/17/91 **Time:** 0840

Sample Matrix: Water

Collection Method: Grab

Sample Identification: BP06 Field blank

REPORT OF ANALYSIS

TOTAL CONSTITUENTS	CONCENTRATION
Dichlorodifluoromethane	ND @ 0.001 mg/L
Chloromethane	ND @ 0.001 mg/L
Vinyl Chloride	ND @ 0.001 mg/L
Bromomethane	ND @ 0.001 mg/L
Chloroethane	ND @ 0.001 mg/L
Trichlorofluoromethane	ND @ 0.001 mg/L
1,1-Dichloroethene	ND @ 0.001 mg/L
Dichloromethane (Methylene Chloride)	0.010 mg/L[B]
trans-1,2-Dichloroethene	ND @ 0.001 mg/L
1,1-Dichloroethane	ND @ 0.001 mg/L
2,2-Dichloropropane	ND @ 0.001 mg/L
cis-1,2-Dichloroethene	ND @ 0.001 mg/L
Bromochloromethane	ND @ 0.001 mg/L
Chloroform	ND @ 0.001 mg/L[B]
1,1,1-Trichloroethane	ND @ 0.001 mg/L
Carbon Tetrachloride	ND @ 0.001 mg/L
1,1-Dichloropropene	ND @ 0.001 mg/L
Benzene	ND @ 0.001 mg/L
1,2-Dichloroethane	ND @ 0.001 mg/L
Trichloroethene	ND @ 0.001 mg/L
1,2-Dichloropropane	ND @ 0.001 mg/L
Dibromomethane	ND @ 0.001 mg/L
Bromodichloromethane	ND @ 0.001 mg/L

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TOTAL CONSTITUENTS	CONCENTRATION
cis-1,3-Dichloropropene	ND @ 0.001 mg/L
Toluene	ND @ 0.001 mg/L
trans 1,3-Dichloropropene	ND @ 0.001 mg/L
1,1,2-Trichloroethane	ND @ 0.001 mg/L
Tetrachloroethene	ND @ 0.001 mg/L
1,3-Dichloropropane	ND @ 0.001 mg/L
Dibromochloromethane	ND @ 0.001 mg/L
1,2-Dibromoethane (EDB)	ND @ 0.001 mg/L
Chlorobenzene	ND @ 0.001 mg/L
Ethyl Benzene	ND @ 0.001 mg/L
1,1,1,2-Tetrachloroethane	ND @ 0.001 mg/L
1,2-Xylene	ND @ 0.001 mg/L
1,3-Xylene & 1,4-Xylene	ND @ 0.001 mg/L
Styrene	ND @ 0.001 mg/L
Bromoform	ND @ 0.001 mg/L
Isopropylbenzene (Cumene)	ND @ 0.001 mg/L
Bromobenzene	ND @ 0.001 mg/L
1,2,3-Trichloropropane	ND @ 0.001 mg/L
1,1,2,2-Tetrachloroethane	ND @ 0.001 mg/L
n-Propylbenzene	ND @ 0.001 mg/L
2-Chlorotoluene	ND @ 0.001 mg/L
3-Chlorotoluene	ND @ 0.001 mg/L
1,3,5-Trimethylbenzene	ND @ 0.001 mg/L
tert-Butylbenzene	ND @ 0.001 mg/L
1,2,4-Trimethylbenzene	ND @ 0.001 mg/L
sec-Butylbenzene	ND @ 0.001 mg/L
1,3-Dichlorobenzene	ND @ 0.001 mg/L
1,4-Dichlorobenzene	ND @ 0.001 mg/L
Isopropyl toluene (Cymene)	ND @ 0.001 mg/L
1,2-Dichlorobenzene	ND @ 0.001 mg/L
n-Butylbenzene	ND @ 0.001 mg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND @ 0.001 mg/L
1,2,4-Trichlcrobenzene	ND @ 0.001 mg/L
Naphthalene	ND @ 0.001 mg/L
Hexachlorobutadiene	ND @ 0.001 mg/L
1,2,3-Trichlorobenzene	ND @ 0.001 mg/L

ND = Not Detected, B = Analyte Found In Blank

Comments: Laboratory analyses conducted by Environmental Consultants, Inc.

This report has been prepared and reviewed by personnel within the Division of Environmental Services. It has been approved for release.

William E. Davis, Director
Division of Environmental Services

CERCLA PA/SI Site Screening Investigation

SITE INVESTIGATION PLAN

SAMPLER Mike Talley REGIONAL OFFICE Paducah

SAMPLING DATE 12/16/91 DELIVERY DATE 12/17/91

SITE NAME Brown's Plating Service COUNTY McCracken

COST RECOVERY CODE# 01961

REPORT TO BE SENT TO: (CHECK ALL THAT SHOULD RECEIVE A COPY)

- ☐ HAZARDOUS WASTE
- ☐ SOLID WASTE
- ☐ UNDERGROUND STORAGE TANKS
- ☐ ENFORCEMENT
- ☑ UNCONTROLLED SITES
- ☐ TSCA
- ☐ REGIONAL OFFICE

SAMPLE INFORMATION

1. ☑ CHECK HERE IF THIS SAMPLE CANNOT BE DUPLICATED

DEC 1 1991

COMPLIANCE BR

2. REASON FOR SAMPLING
   - ☐ IMMINENT DANGER TO PUBLIC HEALTH AND/OR THE ENVIRONMENT
   - ☐ ENFORCEMENT CASE
   - ☐ PUBLIC/PRIVATE DRINKING WATER SUPPLY
   - ☑ OTHER (SPECIFY) Site Screening Investigation conducted under the CERCLA PA/SI Cooperative Agreement.

3. ANALYSIS REQUESTED

   COMPLETE THE INFORMATION ON THE REVERSE SIDE OF THIS FORM. INDICATE THE NUMBER OF SAMPLES, BY MATRIX, SUBMITTED TO THE LABORATORY FOR EACH PARAMETER.

4. TYPE OF CONTAINER AND NUMBER OF SAMPLES

20 GLASS 1000 ml ___ PLASTIC 1000 ml 18 VOA 40 ml ___ GLASS 140 ml 10 GLASS 240 ml ___ CUBITAINER

ARE STANDARD SAMPLING PROCEDURES TO BE USED? ✓ YES ___ NO

IF NO, THEN WHAT CHANGES WILL BE MADE?

COMPLETED BY Mike Talley DATE 12/11/91

Test or Parameter	Number of Samples By Matrix					
	Water	Soil/ Sediment	Chemical	Waste	TCLP	Other
Alkalinity						
Biochemical Oxygen Demand						
Chloride						
Conductivity						
Cyanide, Total	4	10				
Oil & Grease						
Total Dissolved Solids						
Total Organic Carbon						
Ammonia-Nitrogen						
Arsenic, Total	–	0				
Barium, Total	–	10				
Cadmium, Total	–	0				
Chromium, Total	–	0				
Copper, Total						
Iron, Total						
Lead, Total	–					
Mercury, Total	–					
Nickel, Total						
Selenium, Total	–					
Silver, Total	–	0				
Zinc, Total						
Chlorinated Pesticides	–	0				
Herbicides	–	0				
Polychlorinated Biphenyls	–	0				
Volatile Organics	–	0				
Extractable Organics (A/B/N)	–	0				
Sulfide, Reactive						
Cyanide, Reactive						
Flashpoint						

TCLP Metals				
TCLP Pesticides				
TCLP Herbicides				
TCLP Volatile Organics				
TCLP Acid/Base Neutral				