153672

TRUCK LOT DISCOLORATION
TCLP ORGANIC/INORGANIC & PCB

TCLP ORGANICS	Detection Limit PPM	Value PPM
Vinyl Chloride	0.06	BDL
1,1-Dichloroethene	0.13	BDL
Chloroform	0.05	BDL
1,2-Dichloroethane	0.05	BDL
2-Butanone	0.04	BDL
Carbon Tetrachloride	0.20	BDL
Trichloroethene	0.05	BDL
Benzene	0.06	BDL
Tetrachloroethene	0.11	BDL
Chlorobenzene	0.05	BDL
1,4-Dichlorobenzene	1.10	BDL
Hexachloroethane	1.90	BDL
Nitrobenzene	0.46	0.23
Hexachlorobutadiene	0.80	BDL
2,4,6-Trichlorophenol	0.42	BDL
2,4,5-Trichlorophenol	0.60	BDL
2,4-Dinitrotoluene	0.20	BDL
Hexachlorobenzene	0.20	BDL
Pentachlorophenol	0.60	BDL
Pyridine	5.00	BDL
o-Cresol	0.55	BDL
m-Cresol	0.54	BDL
p-Cresol	0.54	BDL

PCB - TOTAL		
Aroclor - 1016	7.4	BDL
Aroclor - 1221	7.4	BDL
Aroclor - 1232	7.4	BDL
Aroclor - 1242	7.4	11
Aroclor - 1248	7.4	BDL
Aroclor - 1254	15	BDL
Aroclor - 1260	15	50

TCLP INORGANICS	Detection Limit PPM	Value PPM
Silver	0.288	0.386
Arsenic	0.588	0.979
Barium	0.250	16.500
Cadmium	0.292	0.353
Chromium	0.284	0.888
Mercury	0.011	0.011
Lead	0.293	1.370
Selenium	0.050	0.500

TCLP PESTICIDES		
gamma-BHC (Lindane)	0.005	BDL
Heptachlor	0.007	BDL
Heptachlor epoxide	0.008	BDL
Chlodane	0.010	BDL
Endrin	0.030	BDL
Methoxychlor	0.070	BDL
Toxaphene	0.500	BDL

TCLP HERBICIDES		
2,4,5-TP	0.020	BDL
2,4-D	0.250	4.4

07/26/91

TRUCK LOT DISCOLORATION
TOTAL ORGANIC ANALYSIS

SEMI-VOLATILE ORGANICS	Detection Limit ppm	Value ppm
Phenol	560	BDL
Bis(chloroethyl)ether	560	BDL
2-Chlorophenol	560	BDL
1,3-Dichlorobenzene	560	BDL
1,4-Dichlorobenzene	560	BDL
Benzyl Alcohol	560	BDL
1,2-Dichlorobenzene	560	BDL
2-Methylphenol	560	BDL
Bis(2-Chloroisopropyl)ether	560	BDL
4-Methylphenol	560	BDL
N-Nitroso-Di-n-propylamine	560	BDL
Hexachloroethane	560	BDL
Nitrobenzene	560	BDL
Isophorone	560	BDL
2-Nitrophenol	560	BDL
2,4-Dimethylphenol	560	BDL
Benzoic Acid	2800	BDL
Bis(2-Chloroethoxy)methane	560	BDL
2,4-Dichlorophenol	560	BDL
1,2,4-Trichlorobenzene	560	BDL
Naphthalene	560	BDL
4-Chloroaniline	560	BDL
Hexachlorobutadiene	560	BDL
4-Chloro-3-methylphenol	560	BDL
2-Methylnaphthalene	560	BDL
Hexachlorocyclopentadiene	560	BDL
2,4,6-Trichlorophenol	560	BDL
2,4,5-Trichlorophenol	2800	BDL
2-Chloroaphthalene	560	BDL
2-Nitroaniline	2800	190000
Dimethylphthalate	560	BDL
Acenaphthylene	560	BDL
2,6-Dinitrotoluene	560	BDL
3-Nitroaniline	2800	BDL
Acenaphthene	560	BDL
2,4,-Dinitrophenol	2800	BDL
4-Nitrophenol	2800	BDL
Dibenzofuran	560	BDL
2,4-Dinitrotoluene	560	BDL
Diethylphthalate	560	BDL
4-Chorophenyl-phenylether	560	BDL
Fluorene	560	BDL
4-Nitroaniline	2800	BDL
4,6-Dinitro-2-methylphenol	2800	BDL
N-Nitrosodiphenylamine	560	BDL
4-Bromophenyl-phenylether	560	BDL
Hexachlorobenzene	560	BDL
Pentachlorophenol	2800	BDL
Phenanthrene	560	BDL
Anthracene	560	BDL
Di-n-Butylphthalate	560	BDL
Fluoranthene	560	BDL
Pyrene	560	BDL
Butylbenzylphthalate	560	BDL

	Detection Limit ppm	Value ppm
3,3'-Dichlorobenzidine	1100	BDL
Benzo(a)anthracene	560	BDL
Chrysene	560	BDL
Bis(2-Ethylhexyl)phthalate	560	BDL
Di-n-Octyl Phthalate	560	BDL
Benzo(b)fluoranthene	560	BDL
Benzo(k)fluoranthene	560	BDL
Benzo(a)pyrene	560	BDL
Indeno(1,2,3-cd)pyrene	560	BDL
Dibenzo(a,h)anthracene	560	BDL
Benzo(g,h,i)perylene	560	BDL

VOLATILE ORGANICS	PPM	PPM
Chloromethane	0.01	BDL
Bromomethane	0.01	BDL
Vinyl Chloride	0.01	BDL
Chloroethane	0.01	BDL
Methlyene Chloride	0.005	0.110
Acetone	0.005	0.370
Carbon Disulfide	0.005	BDL
1,1-Dichloroethene	0.005	BDL
1,1-Dichloroethane	0.005	BDL
1,2-Dichloroethene	0.005	BDL
Chloroform	0.005	BDL
1,2-Dichloroethane	0.005	BDL
2-Butanone	0.01	BDL
1,1,1-Trichloroethane	0.005	BDL
Carbon Tetrachloride	0.005	BDL
Vinyl Acetate	0.01	BDL
Bromodichloromethane	0.005	BDL
1,2-Dichloropropane	0.005	BDL
cis-1,3-Dichloropropene	0.005	BDL
Trichloroethene	0.005	0.012
Dibromochloromethane	0.005	BDL
1,1,2-Trichloroethane	0.005	BDL
Benzene	0.005	BDL
Trans-1,3-Dichloropropene	0.005	BDL
Bromoform	0.005	BDL
4-Methyl-2-pentanone	1.01	BDL
2-Hexanone	0.005	BDL
Tetrachloroethene	0.005	0.030
1,1,2,2-Tetrachoroethane	0.005	0.049
Toluene	0.005	0.019
Chlorobenzene	0.005	0.005
Ethylbenzene	0.005	0.005
Styrene	0.005	0.003
Xylene	0.005	0.006

07/26/91

WESTON

DATA QUALIFIERS

B - Indicates the compound was found in the blank and the sample.

E - Concentrations exceed calibration range of the instrument.

I - Indicates Interference.

J - Indicates an estimated value for either a TIC or an analyte that meets the identification criteria but the result is less than the specified detection limit.

T - Indicates the compound was found in the TCLP extraction blank and the sample.

u - Indicates an inorganic compound was analyzed for but not detected.

U - Indicates an organic compound was analyzed for but not detected.

BS - Indicates matrix analyses were conducted on reagent grade water.

BSD - Blank Spike Duplicate

BDL - Below Detection Limit

D - Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.

DL - Indicates a secondary dilution

DF - Dilution factor

LCS - Laboratory Control Sample

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

NA - Not Applicable

X - Result is by calculation

NOTES:

Solid, sediment and sludge results are reported on a dry weight basis except when analyzed for Landfill disposal parameters (such as incineration or Illinois Green Sheet parameters). All other mg/kg results are reported on an "as received" basis.

Reporting limits are detection limits adjusted for sample size used, dilutions made, and in the case of dry weight results, the moisture content of the sample.

C07959

Revised 04/05/91

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Wednesday July 3rd, 1991

RE: Truck Lot DiscolTCLP
Project # 0000-00-00-0000
Lab ID: 9106G820-002
Sample Date: 06/13/91
Date Received: 06/14/91

Inorganic Client Data Report

Parameters	Result		Units	Reporting Limit
Silver, TCLP Leachate	0.386		mg/L	0.288
Arsenic, TCLP Leachate	0.979		mg/L	0.588
Barium, TCLP Leachate	16.5		mg/L	0.25
Cadmium, TCLP Leachate	0.353		mg/L	0.292
Chromium, TCLP Leachate	0.888		mg/L	0.284
Mercury, TCLP Leachate	0.011	u	mg/L	0.011
Lead, TCLP Leachate	1.37		mg/L	0.293
Selenium, TCLP Leachate	0.50	u	mg/L	0.50

WESTON
MANAGERS DESIGNERS/CONSULTANTS

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2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Thursday July 25th, 1991

RE: Truck Lot DiscolTCLV
Project # 0000-00-00-0000
Lab ID: 9106G820-003
Sample Date: 06/13/91
Date Received: 06/14/91
Units: UG/L

VOLATILES BY GC/MS, TCLP LEACHATE

Volatile Compound	Result	Reporting Limit	Flag
Vinyl Chloride	BDL	63	U
1,1-Dichloroethene	BDL	130	U
Chloroform	BDL	49	U
1,2-Dichloroethane	BDL	45	U
Carbon Tetrachloride	BDL	44	U
2-Butanone	BDL	200	U
Trichloroethene	BDL	50	U
Benzene	BDL	60	U
Tetrachloroethene	BDL	110	U
Chlorobenzene	BDL	48	U

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To John Staples/Joe Grana	From Chris
Co. Cerro Copper Prod.	Co. GCL
Dept.	Phone #
Fax # 618-337-7273	Fax #

C07961

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

REPORT

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Wednesday July 24th, 1991

RE: Truck Lot DiscolTCLP
Project # 0000-00-00-0000
Lab ID: 9106G820-002
Sample Date: 06/13/91
Date Received: 06/14/91
Units: UG/L

SEMIVOLATILES BY GC/MS, TCLP LEACHATE

Semivolatile Compound	Result	Reporting Limit	Flag
1,4-Dichlorobenzene	BDL	1100	U
ortho-cresol	BDL	550	U
meta & para-cresol	BDL	540	U
Hexachloroethane	BDL	1900	U
Nitrobenzene	230	460	J
Hexachlorobutadiene	BDL	800	U
2,4,6-Trichlorophenol	BDL	420	U
2,4,5-Trichlorophenol	BDL	600	U
2,4-Dinitrotoluene	BDL	200	U
Hexachlorobenzene	BDL	200	U
Pentachlorophenol	BDL	600	U
Pyridine	BDL	5000	U

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To John Staples/Joe Grana	From Chris
Co. Cerro Copper Prod.	Co. GCL
Dept.	Phone #
Fax # 618-337-7273	Fax #

C07962

WESTON
MANAGERS DESIGN-HS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Thursday July 11th, 1991

RE: Truck Lot DiscolTCLP
Project # 0000-00-00-0000
Lab ID: 9106G820-002
Sample Date: 06/13/91
Date Received: 06/14/91
Units: UG/L

PESTICIDES BY GC, TCLP LEACHATE

Compound	Result	Reporting Limit	Flag
gamma-BHC (Lindane)	BDL	5.0	U
Heptachlor	BDL	7.2	U
Heptachlor epoxide	BDL	8.0	U
Chlordane	BDL	10	U
Endrin	BDL	30	U
Methoxychlor	BDL	70	U
Toxaphene	BDL	500	U

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MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Thursday July 25th, 1991

RE: Truck Lot DiscolTCLP
Project # 0000-00-00-0000
Lab ID: 9106G820-002
Sample Date: 06/13/91
Date Received: 06/14/91
Units: UG/L

HERBICIDES BY GC, TCLP LEACHATE

Compound	Result	Reporting Limit	Flag
2,4,5-TP	BDL	20	U
2,4-D	4400	250	

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To John Staples/Joe	From Chris
Co. Cerro Copper Prod.	Co. GCL
Dept.	Phone #
Fax # 618-337-7273	Fax #

WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Cerro Copper Products

Route 3 and A & S Tracks
Sauget, IL 62201

Attn: Mr. Joe Grana

Date: Monday July 8th, 1991

RE: Truck Lot Discolor.
Project # 0000-00-00-0000
Lab ID: 9106G820-001
Sample Date: 06/13/91
Date Received: 06/14/91
Units: UG/KG

PCBs by GC

Compound	Result	Reporting Limit	Flag
Aroclor-1016	BDL	7400	U
Aroclor-1221	BDL	7400	U
Aroclor-1232	BDL	7400	U
Aroclor-1242	11000	7400	
Aroclor-1248	BDL	7400	U
Aroclor-1254	BDL	15000	U
Aroclor-1260	50000	15000	

Roy F. Weston, Inc. - Gulf Coast Laboratories
VOLATILES BY GC/MS, HSL LIST

RFW Batch Number: 9106G820 Client: Cerro Copper Products Work Order: 0000-00-00-0000 Report Date:

	Cust ID:	Truck Lot Discolor		Truck Lot Discolor		VBLK		VBLK BS		VBLK	
Sample Information	RFW#:	001		001		91GVC203-MB1		91GVC203-MB1		91GVC216-MB1	
	Matrix:	SOLID		SOLID		SOIL		SOIL		SOIL	
	D.F.:	1000		1.00		1.00		1.00		1.00	
	Units:	ug/Kg		ug/Kg REPREP		ug/Kg		ug/Kg		ug/Kg	
Surrogate Recovery	Toluene-d8	89	%	113	%	96	%	85	%	95	%
	Bromofluorobenzene	98	%	78	%	101	%	101	%	101	%
	1,2-Dichloroethane-d4	105	%	102	%	107	%	107	%	103	%
Chloromethane		10000	U	10	U	10	U	10	U	10	U
Bromomethane		10000	U	10	U	10	U	10	U	10	U
Vinyl Chloride		10000	U	10	U	10	U	10	U	10	U
Chloroethane		10000	U	10	U	10	U	10	U	10	U
Methylene Chloride		5300	B	110	B	6		6	B	19	
Acetone		6700	JB	370	B	34		15	B	140	
Carbon Disulfide		5000	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		5000	U	5	U	5	U	90	%	5	U
1,1-Dichloroethane		5000	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5000	U	5	U	5	U	5	U	5	U
Chloroform		5000	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		5000	U	5	U	5	U	5	U	5	U
2-Butanone		10000	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5000	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		5000	U	5	U	5	U	5	U	5	U
Vinyl Acetate		10000	U	10	U	10	U	10	U	10	U
Bromodichloromethane		5000	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		5000	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5000	U	5	U	5	U	5	U	5	U
Trichloroethene		5000	U	12		5	U	102	%	5	U
Dibromochloromethane		5000	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5000	U	5	U	5	U	5	U	5	U
Benzene		5000	U	5		5	U	100	%	5	U
Trans-1,3-Dichloropropene		5000	U	5	U	5	U	5	U	5	U
Bromoform		5000	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10000	U	10	U	10	U	10	U	10	U
2-Hexanone		10000	U	10	U	10	U	10	U	10	U
Tetrachloroethene		5000	U	30		5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5000	U	49		5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

C07966

RFW Batch Number: 91066820 Client: Cerro Copper Products Work Order: 0000-00-00-0000

Volatiles

Cust ID:	Truck Lot Discolor		Truck Lot Discolor		VBLK		VBLK BS		VBLK	
RFW#:	001		001 REPREP		91GVC203-MB1		91GVC203-MB1		91GVC216-MB1	
Toluene	5000	U	19		5	U	98	%	5	U
Chlorobenzene	5000	U	5		5	U	96	%	5	U
Ethylbenzene	5000	U	5	U	5	U	5	U	5	U
Styrene	5000	U	3	J	5	U	5	U	5	U
Xylene (total)	5000	U	6		5	U	5	U	5	U

*- Outside of EPA CLP QC limits.

SEVI DI·RVI F. MESIVA. INC. : 7-25-91 : 10:42 : GULF COAST LABS 7 10183372/3:= 3/

Roy F. Weston, Inc. - Gulf Coast Laboratories
SEMIVOLATILES BY GC/MS, HSL LIST

RFW Batch Number: 9106G820 Client: Cerro Copper Products Work Order: 0000-00-00-0000 Report Date: 07/23/91 20:18 Page: 1a

	Cust ID:	Truck Lot Discolor	Truck Lot Discolor	SBLK	SBLK BS	SBLK BSD
Sample Information	RFW#:	001	001 DL	91GB0294-MB1	91GB0294-MB1	91GB0294-MB1
	Matrix:	SOLID	SOLID	SOIL	SOIL	SOIL
	D.F.:	500	50000	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate Recovery	Nitrobenzene-d5	D %	D %	121 * %	100 %	109 %
	2-Fluorobiphenyl	D %	D %	106 %	92 %	95 %
	Terphenyl-d14	D %	D %	135 %	172 * %	169 * %
	Phenol-d5	D %	D %	103 %	100 %	104 %
	2-Fluorophenol	D %	D %	90 %	99 %	103 %
	2,4,6-Br3-phenol	D %	D %	74 %	105 %	109 %
Phenol		560000 U	NA	330 U	80 %	81 %
bis(2-Chloroethyl)ether		560000 U	NA	330 U	330 U	330 U
2-Chlorophenol		560000 U	NA	330 U	80 %	83 %
1,3-Dichlorobenzene		560000 U	NA	330 U	330 U	330 U
1,4-Dichlorobenzene		560000 U	NA	330 U	76 %	82 %
Benzyl alcohol		560000 U	NA	330 U	330 U	330 U
1,2-Dichlorobenzene		560000 U	NA	330 U	330 U	330 U
2-Methylphenol		560000 U	NA	330 U	330 U	330 U
bis(2-Chloroisopropyl)ether		560000 U	NA	330 U	330 U	330 U
4-Methylphenol		560000 U	NA	330 U	330 U	330 U
N-Nitroso-Di-n-propylamine		560000 U	NA	330 U	106 %	108 %
Hexachloroethane		560000 U	NA	330 U	330 U	330 U
Nitrobenzene		560000 U	NA	330 U	330 U	330 U
Isophorone		560000 U	NA	330 U	330 U	330 U
2-Nitrophenol		560000 U	NA	330 U	330 U	330 U
2,4-Dimethylphenol		560000 U	NA	330 U	330 U	330 U
Benzoic acid		2800000 U	NA	1700 U	1700 U	1700 U
bis(2-Chloroethoxy)methane		560000 U	NA	330 U	330 U	330 U
2,4-Dichlorophenol		560000 U	NA	330 U	330 U	330 U
1,2,4-Trichlorobenzene		560000 U	NA	330 U	86 %	92 %
Naphthalene		560000 U	NA	330 U	330 U	330 U
4-Chloroaniline		560000 U	NA	330 U	330 U	330 U
Hexachlorobutadiene		560000 U	NA	330 U	330 U	330 U
4-Chloro-3-methylphenol		560000 U	NA	330 U	84 %	86 %
2-Methylnaphthalene		560000 U	NA	330 U	330 U	330 U
Hexachlorocyclopentadiene		560000 U	NA	330 U	330 U	330 U

*= Outside of EPA CLP QC limits.

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To John Staples/Joe Ford | From Chris
Co. Cerro Copper Prod. | Co. GCL
Dept. | Phone #
Fax # 618-337-7273 | Fax #

C07968

Cust ID:	Truck Lot Discolor		Truck Lot Discolor	SBLK		SBLK BS		SBLK BSD	
RFW#:	001		001 DL	91GB0294-MB1		91GB0294-MB1		91GB0294-MB1	
2,4,6-Trichlorophenol	560000	U	NA	330	U	330	U	330	U
2,4,5-Trichlorophenol	2800000	U	NA	1700	U	1700	U	1700	U
2-Chloronaphthalene	560000	U	NA	330	U	330	U	330	U
2-Nitroaniline		E	0.19E+09	J 1700	U	1700	U	1700	U
Dimethylphthalate	560000	U	NA	330	U	330	U	330	U
Acenaphthylene	560000	U	NA	330	U	330	U	330	U
2,6-Dinitrotoluene	560000	U	NA	330	U	330	U	330	U
3-Nitroaniline	2800000	U	NA	1700	U	1700	U	1700	U
Acenaphthene	560000	U	NA	330	U	83	%	84	%
2,4-Dinitrophenol	2800000	U	NA	1700	U	1700	U	1700	U
4-Nitrophenol	2800000	U	NA	1700	U	65	%	70	%
Dibenzofuran	560000	U	NA	330	U	330	U	330	U
2,4-Dinitrotoluene	560000	U	NA	330	U	68	%	72	%
Diethylphthalate	560000	U	NA	330	U	330	U	330	U
4-Chlorophenyl-phenylether	560000	U	NA	330	U	330	U	330	U
Fluorene	560000	U	NA	330	U	330	U	330	U
4-Nitroaniline	2800000	U	NA	1700	U	1700	U	1700	U
4,6-Dinitro-2-methylphenol	2800000	U	NA	1700	U	1700	U	1700	U
N-Nitrosodiphenylamine (1)	560000	U	NA	330	U	330	U	330	U
4-Bromophenyl-phenylether	560000	U	NA	330	U	330	U	330	U
Hexachlorobenzene	560000	U	NA	330	U	330	U	330	U
Pentachlorophenol	2800000	U	NA	1700	U	68	%	70	%
Phenanthrene	560000	U	NA	330	U	330	U	330	U
Anthracene	560000	U	NA	330	U	330	U	330	U
Di-n-Butylphthalate	560000	U	NA	330	U	330	U	330	U
Fluoranthene	560000	U	NA	330	U	330	U	330	U
Pyrene	560000	U	NA	330	U	134	%	136	%
Butylbenzylphthalate	560000	U	NA	330	U	330	U	330	U
3,3'-Dichlorobenzidine	1100000	U	NA	670	U	670	U	670	U
Benzo(a)anthracene	560000	U	NA	330	U	330	U	330	U
Chrysene	560000	U	NA	330	U	330	U	330	U
bis(2-Ethylhexyl)phthalate	560000	U	NA	330	U	330	U	330	U
Di-n-Octyl phthalate	560000	U	NA	330	U	330	U	330	U
Benzo(b)fluoranthene	560000	U	NA	330	U	330	U	330	U
Benzo(k)fluoranthene	560000	U	NA	330	U	330	U	330	U
Benzo(a)pyrene	560000	U	NA	330	U	330	U	330	U
Indeno(1,2,3-cd)pyrene	560000	U	NA	330	U	330	U	330	U
Dibenzo(a,h)anthracene	560000	U	NA	330	U	330	U	330	U
Benzo(g,h,i)perylene	560000	U	NA	330	U	330	U	330	U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

C07969

WESTON

DATA QUALIFIERS

B - Indicates the compound was found in the blank and the sample.

E - Concentrations exceed calibration range of the instrument.

I - Indicates Interference.

J - Indicates an estimated value for either a TIC or an analyte that meets the identification criteria but the result is less than the specified detection limit.

T - Indicates the compound was found in the TCLP extraction blank and the sample.

u - Indicates an inorganic compound was analyzed for but not detected.

U - Indicates an organic compound was analyzed for but not detected.

BS - Indicates matrix analyses were conducted on reagent grade water.

BSD - Blank Spike Duplicate

BDL - Below Detection Limit

D - Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.

DL - Indicates a secondary dilution

DF - Dilution factor

LCS - Laboratory Control Sample

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

NA - Not Applicable

X - Result is by calculation

NOTES:

Solid, sediment and sludge results are reported on a dry weight basis except when analyzed for Landfill disposal parameters (such as incineration or Illinois Green Sheet parameters). All other mg/kg results are reported on an "as received" basis.

Reporting limits are detection limits adjusted for sample size used, dilutions made, and in the case of dry weight results, the moisture content of the sample.

Revised 04/05/91

Karen deClair (708) 534-5200

2293

~~FU 7/8/91~~

CHAIN OF CUSTODY - SOLID WASTE
CERRO COPPER PRODUCTS- SAUGET, ILLINOIS

MPLE NAME: Truck Lot Discoloration

MPLING DATE: 6-7-91 TIME: PM

SAMPLE I.D. #: NA

SAMPLER'S INITIALS: JWS

SAMPLE TRANSPORTATION

MPLE CARRIER: See FedEx Sheet

MPLES REC'D : _____ (sign) DATE: _____ TIME: _____
By Lab

_____ (sign) DATE: _____ TIME: _____

LABORATORY WORK

ORATORY: Weston Gulf Coast Lab
ADDRESS: 2417 Bond Street
University Park, IL

PHONE: (708) 534-5200
CONTACT: Karen deClair

LAB I.D.: _____

_TCLP METALS (8)
_TCLP ORGANICS (25)
TCLP PESTICIDES(4)
TCLP HERBICIDES(2)
rsenic (T)
arium (T)
admium (T)
hromium (T)
opper (T)
ead (T)

____PAINT FILTER TEST
____IGNITABILITY (<140F)
____CORROSIVITY (pH OF 10% SOLN.)
____REACTIVITY (CN & Sulfide)
____Total Solids (%)
____Mercury (T)
____Nickel (T)
____Selenium (T)
____Silver (T)
____Zinc (T)

____Phenol
____TOC
____TOX or EOX
____Cr+6
✓ PCB
✓ Semi-Volatiles
✓ Volatiles

ts: 1. ALL ANALYSIS IS TO BE PERFORMED IN ACCORDANCE WITH SW846

is Requested by: J M Grana (Joe GRANA)

s or Question Please Call Representatives Below
Copper: Joseph Grana or Joe Burroughs (618)337-6000

Mailing Address
P.O. Box 66800
St. Louis MO 63166

istribution of Chain-of-Custody
rod:Sampler's Copy Pink:Transporter leaves @ Cerro after signing
Lab's Copy White:Lab returns to Cerro after analysis

Standard Deliverables

C0/97

Needed More Sample

o: 92293

CHAIN OF CUSTODY - SOLID WASTE
CERRO COPPER PRODUCTS- SAUGET, ILLINOIS

AMPLE NAME: Truckload Disclosure #2 SAMPLE I.D. #: _____

AMPLING DATE: 6/13/91 TIME: _____ SAMPLER'S INITIALS: JWS

Fed Ex

SAMPLE TRANSPORTATION

AMPLE CARRIER: NA (sign) DATE: _____ TIME: _____

AMPLES REC'D : _____ (sign) DATE: _____ TIME: _____
By Lab

LABORATORY WORK

ABORATORY: Weston Gulf Coast PHONE: (208) 534-5200
ADDRESS: 117 Bond Street
University Park, TX

CONTACT: Karen LeChair

LAB I.D.: _____

✓ TCLP METALS (8)	____ PAINT FILTER TEST	____ Phenol
____ TCLP ORGANICS (25)	____ IGNITABILITY (<140F)	____ TOC
✓ TCLP PESTICIDES(4)	____ CORROSIVITY (pH OF 10% SOLN.)	____ TOX or EOX
✓ TCLP HERBICIDES(2)	____ REACTIVITY (CN & Sulfide)	____ Cr+6
____ Arsenic (T)	____ Total Solids (%)	✓ PCB
____ Barium (T)	____ Mercury (T)	✓ Semi-Volatiles
____ Cadmium (T)	____ Nickel (T)	✓ Volatiles
____ Chromium (T)	____ Selenium (T)	____
____ Copper (T)	____ Silver (T)	____
____ Lead (T)	____ Zinc (T)	____

omments: 1. ALL ANALYSIS IS TO BE PERFORMED IN ACCORDANCE WITH SW846

nalysis Requested by: [signature] Mailing address P.O. Box 6680 St Louis MO. 63166

roblems or Question Please Call Representatives Below
erro Copper: Joseph Grana or Joe Burroughs (618)337-6000

opy Distribution of Chain-of-Custody
oldenrod:Sampler's Copy Pink:Transporter leaves @ Cerro after signing
ellow:Lab's Copy White:Lab returns to Cerro after analysis

Standard Deliverable