WESTON
MANAGERS DESIGNERS/CONSULTANTS

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7

ANALYTICAL REPORT 153673

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: 91066820-002
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

C07979

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: 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

Post-it™ brand fax transmittal memo 7671 # of pages ▸ 4

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

C07980

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 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

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 2

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

C07981

WESTON
MANAGERS DESIGN-PS/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 & 5 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

C07982

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: 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 #

C07983

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: 07/25/91 14:56 Page: 1a

Sample Information	Cust ID:	Truck Lot Discolor		Truck Lot Discolor		VBLK		VBLK BS		VBLK	
	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.

C07985

RFW Batch Number: 9106G820 Client: Cerro Copper Products Work Order: 0000-00-00-0000 Page: 1b

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.

C07986

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.

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 2
To John Staples/Tom Sims | From Chris
Co. Cerro Copper Prod. | Co. GCL
Dept. | Phone #
Fax # 618-337-7273 | Fax #

RFW Batch Number: 9106G820 Client: Cerro Copper Products Work Order: 0000-00-00-0000 Page: 10

Semi Volatiles

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.

ULLF LOADI LADS 10:20 07-24-01 10/08/01 11:21 PM

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

FU 7/8/91

NO: 92293

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

SAMPLE NAME: Tank Lot Discoloration SAMPLE I.D. #: NA

SAMPLING DATE: 6-7-91 TIME: PM SAMPLER'S INITIALS: WJS

SAMPLE TRANSPORTATION

SAMPLE CARRIER: See FedEx Sheet (sign) DATE: _____ TIME: _____

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

LABORATORY WORK

LABORATORY: WESTON Gulf Coast Lab PHONE: (708) 534-5200
ADDRESS: 417 [illegible] Street
[illegible] City, [illegible], IL
CONTACT: Karen LeClair
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)	____ _____

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

Analysis Requested by: J M Grana (Joe GRANA)

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

Mailing Address
P.O. Box 66700
St. Louis MO 63166

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

Standard Deliverables

C07990

Needed More Sample

No: 1293

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

SAMPLE NAME: Trucklot Discretion #2 SAMPLE I.D. #: _____

SAMPLING DATE: 4/3/91 TIME: _____ SAMPLER'S INITIALS: JLS

Fed Ex

SAMPLE TRANSPORTATION

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

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

LABORATORY WORK

LABORATORY: Weatherill Coast
ADDRESS: 7 Bend Street
[illegible], TX

PHONE: (708) 534-5200
CONTACT: Karen McClain
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-Volatile
____ Cadmium (T)	____ Nickel (T)	✓ Volatiles
____ Chromium (T)	____ Selenium (T)	____ _____
____ Copper (T)	____ Silver (T)	____ _____
____ Lead (T)	____ Zinc (T)	____ _____

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

Analysis Requested by: [signature]

Mailing Address
P.O. Box 6680
St. Louis MO.
63166

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

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

Standard Deliverable

C07991

WESTON

DATA QUALIFIERS

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

E - Concentrations exceed calibration range of the instrument.

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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

Ashland Chemical, Inc., Petrochemical Div. Bulk form.
Chemical Exchange Industries, Inc. Tank car, tank truck, 55-gal drum.
Crowley Tar Products Co., Inc. Crude, refined grades. Tank truck.
ICI Americas, Inc. MIGHTY 150 AND MIGHTY RD1. Liquid or powder grades. Tank car, tank truck, 55-gal drum. Protect from freezing. 20-30% water reduction in concrete or 4-8 inch slump increase. Allows faster pumping and placement, faster strength development for better quality, more economical concrete. RD1 has retardation for longer workability time.
Kenova Chemical Co. Chip, ball, flake grades. 200-lb drum or 100-lb bag. UN 1334.
Koppers Industries, Inc. Tank car, tank truck.
Reilly Industries, Inc. Crude. Tank car, tank truck. UN 1334.
Texaco Chemical Co. Tank car, tank truck. UN 1334.

NAPHTHALENE ACETIC ACID, ANHYDRIDE
Agro-Pharm Group
Spectrum Chemical Mfg. Corp. 500-g, 2.5-, 12- and 45-kg quantities.

1,5-NAPHTHALENE DIISOCYANATE (NDI)
BASF Corp. DESMODUR 15. 88-lb drums.

NAPHTHALENEDIOL (28346-70-5)
R.S.A. Corp.

***m*-NAPHTHALENES**
Crowley Chemical Co., Inc. Tank car, tank truck, 55-gal drum.
Crowley Tar Products Co., Inc. Tank car, tank truck, 55-gal drum. Dye carrier.

NAPHTHALENE SULFONATE CONDENSATE
W. R. Grace & Co., Organic Chemicals Div. DAXAD. Na and K salt forms; powders, liquids. Tank car, tank truck, 55-gal drum, 5-gal pail, bags. Provides optimum particle dispersion in both aqueous and dry-blending media.
ICI Americas, Inc. MX2026 AND MX1523. Liquid or powder. Tank car, tank truck, 55-gal drum. Protect from freezing. Low-cost anionic dispersant with high-temperature stability. Use for viscosity reduction and dispersion of inorganic solids in water.
Piedmont Chemical Industries, Inc. FIXING AGENT XP10. Tank truck, 55-gal drum. Corrosive material. UN 1760. For acid dyes on nylon on wool.

NAPHTHALENESULFONIC ACID, POLYMERIZED
BASF Corp. PLURADYNE. 50-lb quantities.
W. R. Grace & Co., Organic Chemicals Div. DAXAD. Na and K salt forms; powders, liquids. Tank car, tank truck, 55-gal drum, 5-gal pail, bags. Provides optimum particle dispersion in both aqueous and dry-blending media.

NAPHTHALIC ACID ANHYDRIDE (NSA)
Ruetgers-Nease Chemical Co., Inc.

NAPHTHAS
Ashland Chemical, Inc., Industrial Chemicals and Solvents Div. Quick-drying paint solvent; used for extractions and in manufacture of floor coverings, resin solutions, and varnishes.
Chemcentral Corp. Tank truck. 55-gal drum.
Crowley Tar Products Co., Inc. Crude, refined grades. Tank car, tank truck. 55-gal drum.
Fina Oil and Chemical Co. COSDENOL. Heavy aromatic solvents: 70 and 104 (UN 1255), 150 and 180 (UN 2553) grades. Tank car, tank truck.
Texaco Chemical Co. TEXSOLVE-H, R and V. Rubber solvent grades. Tank car, tank truck, 15- and 55-gal drums. UN 1255. (V) meets Rule 66, typical benzene content-Nil, KB (typical) 38.5.
Unocal Chemicals Div.

NAPHTHENATES
Mooney Chemicals, Inc. NAP-ALLS. Co, Cu, Zn, Ca, Ce, Mn, Fe, and Pb. Tank truck, 55-gal drum, 15-gal pails. UN 1168 (TT & TC only).

NAPHTHENIC ACIDS (1338-24-5)
CPS Chemical Co., Inc. AGENAP. Refined grade. 55-gal drum (440-lb). ORM-E. Paint driers, fungicides, lubricants, etc.
Hewchem NAPHID. 2 crude grades: AV190 and AV220. Tank car, tank truck, 55-gal drum, 5-gal pail. UN 9137. Uses: driers, catalysts, cutting oil, drilling compounds, rust inhibitors, surfactants, emulsions, grease, and wood preservatives.
Mooney Chemicals, Inc.
PMC Specialties Group, Inc. AV 180, AV 200, AV 220 grades. Tank car, tank truck, 55-gal drum. ORM-E, NA 9137.

2-NAPHTHOL (135-19-3)
Chemelle, Inc.
Spectrum Chemical Mfg. Corp.
United Mineral & Chemical Corp. beta-Naphthol. 99% min. assay. 50-kg bags. Intermediate for dyes and pigments.

β-NAPHTHOL DISULFIDE
Atochem North America 40-gal drum, 325-lb batch or container. Vulcanizing agent.

NAPHTHOL SALICYLATE
R.S.A. Corp.

α-NAPHTHYLAMINE (134-32-7)
M.W. Hardy & Co., Inc. High purity with very low β-naphthylamine content.

NEOABIETIC (471-77-2)
Helix Biotech Corp. 99+% pure. 200-mg or 1-gm quantities. Resin acid, GC calibration, GC reference standard, analysis of pulp mill effluent and circuit boards.

NEODECANOYL CHLORIDE (40292-82-8)
BASF Corp. 55-gal drum.
PPG Industries, Inc., Agricultural and Performance Chemical Div. Technical grade, liquid. 55-gal drum. Corrosive liquid NOS. Acid chloride intermediate to peroxyesters, agricultural chemicals and pharmaceuticals.

NEOHEPTANOIC ACID (33113-10-9)
Exxon Chemical Co., Intermediates Div. Tank car, tank truck, 55-gal drum. Used to make peroxyesters.

NEOHEXENE (558-37-2)
Phillips 66 Co. Technical grade. Tank truck, 55-gal drum, 1- and 5-gal pails. UN 1268, petroleum distillate, flammable liquid. Used in manufacture of synthetic musk. Manufacture of fragrances or other chemical intermediates.

NEOPENTYL GLYCOL (126-30-7)
BASF Corp. Tank car and tank truck for molten and slurry grades, truck load or less, 50-lb bag for flake grade. High-performance diol for saturated and unsaturated polyesters.
Browning Chemical Corp. Flake form. 25-kg bags. Polyesters, alkyds, urethanes.
Eastman Chemical Products, Inc. NPG GLYCOL. White flakes, molten and slurry (NPG-90).
Miljac, Inc.

NEOTHENE
Geoliquids, Inc. 5-gal pail.

NEROL (106-25-2)
Penta Manufacturing Co. All grades. 55-gal drum, 1- and 5-gal pails.
SCM Glidco Organics 4 grades, 50 to 95%. 55-gal drum, 5-gal pail, 1-gal cans.
Union Camp Corp., Terpene and Aromatic 900A, 850, 600 pure grades. 55-gal drum. Fragrance raw materials.

NIACINAMIDE (98-92-0)
Degussa Corp.
Reilly Industries, Inc. 98% min. purity grade. 55-gal drum, 50-kg fiber drum.
United States Biochemical Corp.

NICKEL COMPLEX THIOBISPHENOL
Ferro Corp., Bedford Chemical Div. UV CHEK AM 105F. Light green brittle flake grades. 55-gal drum. Light stabilizer for polypropylene and polyethylene film fiber and sheet.

NICKEL DIBUTYLDITHIOCARBAMATE (13927-77-0)
Akzo Chemical Inc. PERKACIT NDBC. Oil-coated powder and granulate forms. 44- and 55-lb bags. Rubber ultra-accelerator.
Ferro Corp., Bedford Chemical Div. UV CHEK AM 104. Dark green brittle flake grades. 55-gal drum. Light stabilizer for polyolefins, antiozonant for rubber.
Neochem, Inc.
Uniroyal Chemical Co., Inc. NAUGARD NBC. 250-lb leverpak. A highly effective UV stabilizer for use in polyolefins where a green color can be tolerated. An effective antiozonant/antioxidant.

NICKEL ORGANIC COMPLEX
Ferro Corp., Bedford Chemical Div. UV CHEK AM 205F. Light green brittle flake grades. 55-gal drum. Light stabilizer for thin film and fiber polyolefins.

NICOTINE SALICYLATE (29790-52-1)
R.S.A. Corp.

NICOTINIC ACID *N*-OXIDE (2398-81-4)
Reilly Industries, Inc. 98% min. purity grade. 55-gal drum, 1- and 5-gal pails, 125-kg drum, 1-kg can, 3.5- and 18-kg pails.

NIPECOTAMIDE (4138-26-5)
Interchem Corp.

NITRILOTRIACETIC ACID, TRISODIUM SALT (5064-31-3)
BASF Corp. TRILON A. Liquid and powder grades.
W. R. Grace & Co., Organic Chemicals Div. HAMPSHIRE NTA. Crystalline, white powder, and liquid forms. Tank car, tank truck, 55-gal drum, 50-lb quantities. High efficiency, economical, general purpose chelating agent. Available in salt or acid form.

***o*-NITROANILINE** (88-74-4)
Du Pont, Chemicals & Pigments Dept. Solid, liquid grades. Tank car, tank truck. UN 1661. Dye intermediate.
Monsanto Co. Technical molten, refined molten, flake grades. Tank car, tank truck, 55-gal drum. UN 1661, poison B. Used in the manufacturing of lakes and toners (dyes); synthesis of sulfaquinoxaline, *o*-phenylenediamine, and benzotriazole; used to process photographic antifogging agents.
Pfaltz and Bauer, Inc. 55-gal drum, 5-gal pail, lb quantities.

***p*-NITROANILINE** (100-01-6)
Monsanto Co. Powder and paste grades. 55-gal drum, paste; 61-gal fiber drum, powder. UN 1661, poison B. Used in the manufacture of antioxidants, antiozonants, gasoline gum inhibitors, medical compounds for poultry, dyestuffs, color and pigments.
Orlex Chemicals Corp. 50-kg net iron drums. UN 1661.
Pfaltz and Bauer, Inc. 55-gal drum, 5-gal pail, lb quantities.

2-NITROANILINE (88-74-4)
Henley Chemicals, Inc.

4-NITROANILINE (100-01-6)
Henley Chemicals, Inc.

NITROBENZENE (98-95-3)
First Chemical Corp. Tank car, tank truck, drums.
ICI Americas, Inc. Liquid grade. Tank car, tank truck. UN 1662.
Spectrum Chemical Mfg. Corp.

***m*-NITROBENZOIC ACID** (121-92-6)
Nobel Chemicals, Inc. Technical grade, 99% min. purity. 25-kg bag. Intermediate for *m*-aminobenzoic acid in manufacture of dyestuffs, e.g., crystal violet lactone. Also used in metal-stripping solutions.
Salsbury Chemicals Meta isomer: technical (81%); purified (98.5%) grades. 100-kg drum. Chemical intermediate, color intermediate, corrosion inhibitor, metalfinishing compound.

***p*-NITROBENZOIC ACID** (62-23-7)
Nobel Chemicals, Inc. Technical grade, 99% min. purity. 25-kg bag, 300-lb drums. Basic compound in certain organic synthesis.

5-NITROBENZOTRIAZOLE (2338-12-7)
Aldrich Chemical Co., Inc. 98%, yellow powder grade. Research quantities, 1- to 100-kg lots. Used as a defogger or desensitizer in photographic processes.

***m*-NITROBENZOYL CHLORIDE** (121-90-4)
First Chemical Corp.
Nobel Chemicals, Inc. Technical grade, 99% min. purity. 4 x 25-kg plastic in iron drum. Highly reactive compound used in the synthesis of dyestuff intermediates, azo dyes, and color couplers in color photography.
Quality Chemicals, Inc.

***o*-NITROBENZOYL CHLORIDE** (610-14-0)
R.S.A. Corp.

***p*-NITROBENZOYL CHLORIDE** (122-04-3)
First Chemical Corp.
Nobel Chemicals, Inc. 99% min. purity grade. Highly reactive compound in the synthesis of dyestuff intermediates and azo dyes. Starting material for pharmaceuticals, such as, procaine, procainamide, and folic acid.
Schweizerhall, Inc., Chemical Div. 98% min. grade. 75-kg drums, R&D packages. Intermediate in synthesis of dyestuff intermediates and azo dyes and pharmaceuticals like procaine, procaineamid, and folic acid.
Spectrum Chemical Mfg. Corp.

***p*-NITROBENZYL ALCOHOL** (619-73-8)
Albany International Corp. High purity grades. Tank truck, 55-gal drum. Blocking agent.
Davos Chemical Corp.
Schweizerhall, Inc., Chemical Div. 99% min. grade. Tank truck, 55-gal drum, R&D packages. Intermediate and blocking agent.
Spectrum Chemical Mfg. Corp.

***p*-NITROBENZYL BROMIDE** (100-11-8)
R.S.A. Corp.

4-(*p*-NITROBENZYL)PYRIDINE (1083-48-3)
GFS Chemicals, Inc. Reagent grade. 1- and 5-kg quantities.

NITROCELLULOSE (9004-70-0)
Hercules Incorporated Several viscosities available. AS grade (Intermediate), SS (slow-set) and RS (rapid-set). 55-gal drum.

***o*-NITROCHLOROBENZENE** (88-73-3)
Du Pont, Chemicals & Pigments Dept. Liquid, technical grades. Tank car, tank truck, 55-gal drum. UN 1578. Dye, pigment, pesticide, rubber chemicals, and pharmaceutical intermediate.

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C07974

18.090.48 **Naphthalene, 98%**
[*91-20-3*]
$C_{10}H_8$ FW 128.17 $C_{10}H_8$ mp 80 - 82°C bp 218°C
Fp 78°C d 0.997

18.044.02 **Naphthalene-bis(hexachlorocyclopentadiene)adduct, 99%**
[*5696-92-4*]
FW 673.72 $C_{20}H_8Cl_{12}$ mp 217 - 220°C

26.916.47 **2,6-Naphthalenedicarboxylic acid, 97%**
[*1141-38-4*]
$C_{10}H_6(CO_2H)_2$ FW 216.19 $C_{12}H_8O_4$ mp > 300°C

21.664.33 **1-Naphthalenesulfonyl chloride, 99%**
[*85-46-1*]
$C_{10}H_7SO_2Cl$ FW 226.68 $C_{10}H_7ClO_2S$ mp 66 - 68°C
bp 194 - 195°C (13mm)

26.901.32 **1,3,6-Naphthalenetrisulfonic acid, sodium salt, hydrate, mixture of isomers 1,3,6-, 1,3,5-, 1,3,7-and 1,4,6-**
[*19437-42-4*]
FW 368.37 $C_{10}H_8O_9S_3.xNa.xH_2O$ mp >300°C

12.814.10 **1,8-Naphthalic anhydride, 97%**
[*81-84-5*]
FW 198.18 $C_{12}H_6O_3$ mp 267 - 269°C Fp 272°C

12.819.15 **1-Naphthol, 99+ %**
[*90-15-3*]
$C_{10}H_7OH$ FW 144.17 $C_{10}H_8O$ mp 95 - 96°C
bp 278 - 280°C

18.082.40 **2-Naphthol, 99+%**
[*135-19-3*]
$C_{10}H_7OH$ FW 144.17 $C_{10}H_8O$ mp 122 - 123°C
bp 285 - 286°C

15.697.80 **2-Naphthol, 98%**
[*135-19-3*]
$C_{10}H_7OH$ FW 144.17 $C_{10}H_8O$ mp 122°C bp 294°C Fp 160°C

16.671.84 **1,4-Naphthoquinone, 97%, remainder moisture**
[*130-15-4*]
FW 158.16 $C_{10}H_6O_2$ mp 121 - 122°C

12.820.16 **(2-Naphthoxy)acetic acid, 98%**
[*120-23-0*]
$C_{10}H_7OCH_2CO_2H$ FW 202.21 $C_{12}H_{10}O_3$ mp 155 - 157°C

21.781.53 **(S)-(-)-α-(1-Naphthyl)ethylamine, 99+%**
[*10420-89-0*]
$C_{10}H_7CH(CH_3)NH_2$ FW 171.24 $C_{12}H_{13}N$ bp 153 - 153°C (11mm)
Fp >112°C d 1.06 $[\alpha]_D^{20}$ - 61° (c = 9.5, CH3OH, 23 C) n_D^{20} 1.6227

17.986.41 **Narceine**
[*131-28-2*]
FW 445.47 $C_{23}H_{27}NO_8$

19.355.52 **Neodymium chloride hexahydrate, 99.999%**
[*10024-93-8*]
$NdCl_3.6H_2O$ FW 358.69 $Cl_3Nd.6H_2O$ mp 124°C

21.214.68 **New Fuchsin**
[*3248-91-7*]
FW 365.9 $C_{22}H_{24}ClN_3$

27.110.47 **β-Nicotinamide adenine dinucleotide, disodium salt, 98%**
FW 708.4 $C_{21}H_{26}Na_2N_7O_{14}P_2$

18.142.03 **l-Nicotine, 99+%**
[*54-11-5*]
FW 162.23 $C_{10}H_{14}N_2$ d 1.01 $[\alpha]_D^{20}$ - 78° (c = 5, H2O, 22 C)

12.829.25 **Nicotinic acid, 98%**
[*59-67-6*]
FW 123.11 $C_6H_5NO_2$ mp 236 - 239°C

20.696.35 **Nile Blue hydrochloride**
[*2381-85-3*]
FW 353.85 $C_{20}H_{20}ClN_3O$

17.543.83 **Nitric acid-d, 68 wt. % solution in D2O, 99+ atom % D**
[*13587-52-5*]
DNO_3 FW 64.02 DNO_3 n_D^{20} 1.3959

12.831.27 **Nitrilotriacetic acid, 99%**
[*139-13-9*]
$N(CH_2CO_2H)_3$ FW 191.14 $C_6H_9NO_6$ mp 246°C (dec.)

14.784.40 **Nitrilotriacetic acid, trisodium salt monohydrate, 99+%**
[*5064-31-3*]
$N(CH_2CO_2Na)_3.H_2O$ FW 275.1 $C_6H_6NO_6Na_3.H_2O$ mp > 320°C

12.833.29 **m-Nitroacetophenone, 98%**
[*121-89-1*]
$O_2NC_6H_4COCH_3$ FW 165.15 $C_8H_7NO_3$ mp 76 - 78°C
bp 202°C

12.834.30 **p-Nitroacetophenone, 97%**
[*100-19-6*]
$O_2NC_6H_4COCH_3$ FW 165.15 $C_8H_7NO_3$ mp 78 - 80°C
bp 202°C

12.835.31 **2-Nitroaniline, 98%**
[*88-74-4*]
$O_2NC_6H_4NH_2$ FW 138.13 $C_6H_6N_2O_2$ mp 71 - 73°C
bp 284°C Fp >150°C

14.643.93 **2-Nitroanisole, 99%**
[*91-23-6*]
$O_2NC_6H_4OCH_3$ FW 153.14 $C_7H_7NO_3$ mp 9.5°C bp 273°C
Fp >112°C d 1.254 n_D^{20} 1.5602

16.709.25 **5-Nitroanthranilonitrile, 99%**
[*17420-30-3*]
$O_2NC_6H_3(NH_2)CN$ FW 163.14 $C_7H_5N_3O_2$ mp 200 - 207°C

12.840.36 **2-Nitrobenzaldehyde, 98%**
[*552-89-6*]
$O_2NC_6H_4CHO$ FW 151.12 $C_7H_5NO_3$ mp 43 - 46°C
bp 153°C (23mm)

12.841.37 **3-Nitrobenzaldehyde, 99%**
[*99-61-6*]
$O_2NC_6H_4CHO$ FW 151.12 $C_7H_5NO_3$ mp 57 - 59°C

12.842.38 **Nitrobenzene, 99%**
[*98-95-3*]
$C_6H_5NO_2$ FW 123.11 $C_6H_5NO_2$ mp 5 - 6°C
bp 210 - 211°C Fp 87°C d 1.204 n_D^{20} 1.5513

12.843.39 **2-Nitrobenzenesulfonyl chloride, 97%**
[*1694-92-4*]
$O_2NC_6H_4SO_2Cl$ FW 221.61 $C_6H_4ClNO_4S$ mp 65 - 67°C

15.584.64 **3-Nitrobenzoyl chloride, 96%**
[*121-90-4*]
$O_2NC_6H_4COCl$ FW 185.57 $C_7H_4ClNO_3$ mp 32 - 35°C
bp 275 - 278°C Fp >112°C d 1.428

15.043.08 **4-Nitrobenzoyl chloride, 98%**
[*122-04-3*]
$O_2NC_6H_4COCl$ FW 185.57 $C_7H_4ClNO_3$ mp 72 - 74°C
bp 202 - 205°C (105mm)

C07975

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

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