Tracking #

WASTE CHARACTERIZATION REPORT

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☒ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

SITE: J+W Pallet + Drum
P: 17.1
v. 2

Waste Common Name: NON-HAZARDOUS WASTE WATER

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC - 11th Floor, 61 Forsyth Street (Forsyth)

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Non-Hazardous, Non-Regulated Liquids

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☒ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☐ Drums
☐ Other (palletized, 5 gal. Pail, etc.)

10547232

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Line Item A (1 of 4)

ACL

ADVANCED CHEMISTRY LABS, INC.

Phone: (770) 409-1444
Fax: (770) 409-1844
e-mail: acl@acl-labs.net

3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218521 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	BQL	1.0
4-Methylphenol	BQL	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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Client: WRS Infrastructure & Env.
1835 E. Park Place
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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218521 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	BQL	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	BQL	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	BQL	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218521 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.01
a-BHC	BQL	0.01
b-BHC	BQL	0.01
d-BHC	BQL	0.01
g-BHC	BQL	0.01
Chlordane	BQL	0.02
4,4'-DDD	BQL	0.01
4,4'-DDE	BQL	0.01
4,4'-DDT	BQL	0.01
Dieldrin	BQL	0.01
Endosulfan I	BQL	0.01
Endosulfan II	BQL	0.01
Endosulfan sulfate	BQL	0.01
Endrin	BQL	0.01
Endrin aldehyde	BQL	0.01
Heptachlor	BQL	0.01
Heptachlor epoxide	BQL	0.01
Methoxychlor	BQL	0.01
Toxaphene	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218521 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218521 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-03

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004
Analyst: SW/JR

ACL Sample #: 218521 **Units:** mg/L

Analyte	Result	PQL
Aluminum	30.5	0.20
Antimony	BQL	0.05
Arsenic	[redacted]	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	72.5	0.25
Chromium	0.63	0.05
Cobalt	0.09	0.05
Copper	0.45	0.05
Iron	17.7	0.10
Lead	1.25	0.05
Magnesium	16.6	0.25
Manganese	0.33	0.05
Mercury	[redacted]	0.005
Nickel	[redacted]	0.05
Potassium	21.6	0.25
Selenium	[redacted]	0.05
Silver	BQL	0.10
Sodium	95.8	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	1.57	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-03	218521	Chlorides (9252)	Liquid	8280	500	mg/L	08/09/2004
WG-03	218521	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-03	218521	Nitrate (N)(353.2)	Liquid	93.1	10.0	mg/L	08/06/2004
WG-03	218521	pH (9040B)	Liquid	[redacted]	0-14	pH Units	08/02/2004
WG-03	218521	Phosphorus (365.2)	Liquid	1660	5.0	mg/L	08/03/2004
WG-03	218521	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-03	218521	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-03	218521	Sulfate (9038)	Liquid	[redacted]	5000	mg/L	08/04/2004
WG-03	218521	TOC (9060)	Liquid	[redacted]	100	mg/L	08/11/2004
WG-03	218521	T. Solids (SM2540G)	Liquid	5.1	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs St. Ste. 108 Tampa, FL 33619

Site Location: JLW Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) J.W. Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp.: 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Greg Garrison / WRS	7/29/04	18:30	John Lee
John Lee / WRS	7/30/04	10:45	Maybeth Bekin
			Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

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Laboratory Report

TCLP Metals?

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-11 Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Acetone 2.07
2-Methy Naphthalene 5.5
Naphthalene 2.5
Chromium 143

Report Date: 8/25/2004

Nickel 69.7

This report contains 11 pages.
(including this cover page and chain of custody)

pH 1.5
Sulfate 11,000

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	[redacted]	1.00	Xylenes (Total)	BQL	0.05
Benzene	BQL	0.05			
Bromodichloromethane	BQL	0.05			
Bromoform	BQL	0.05			
Bromomethane	BQL	0.10			
2-Butanone	BQL	1.00			
Carbon disulfide	BQL	0.05			
Carbon tetrachloride	BQL	0.05			
Chlorobenzene	BQL	0.05			
Chloroethane	BQL	0.10			
Chloroform	BQL	0.05			
Chloromethane	BQL	0.10			
Dibromochloromethane	BQL	0.05			
1,1-Dichloroethane	BQL	0.05			
1,2-Dichloroethane	BQL	0.05			
1,1-Dichloroethene	BQL	0.05			
cis-1,2-Dichloroethene	BQL	0.05			
trans-1,2-Dichloroethene	BQL	0.05			
1,2-Dichloropropane	BQL	0.05			
cis-1,3-Dichloropropene	BQL	0.05			
trans-1,3-Dichloropropene	BQL	0.05			
Ethylbenzene	BQL	0.05			
2-Hexanone	BQL	0.50			
4-Methyl-2-pentanone	BQL	0.50			
Methylene chloride	BQL	0.10			
Styrene	BQL	0.05			
1,1,2,2-Tetrachloroethane	BQL	0.05			
Tetrachloroethene	BQL	0.05			
Toluene	BQL	0.05			
1,1,1-Trichloroethane	BQL	0.05			
1,1,2-Trichloroethane	BQL	0.05			
Trichloroethene	BQL	0.05			
Vinyl acetate	BQL	0.50			
Vinyl chloride	BQL	0.10			

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	BQL	1.0
4-Methylphenol	BQL	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	[redacted]	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	[redacted]	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	BQL	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.01
a-BHC	BQL	0.01
b-BHC	BQL	0.01
d-BHC	BQL	0.01
g-BHC	BQL	0.01
Chlordane	BQL	0.02
4,4'-DDD	BQL	0.01
4,4'-DDE	BQL	0.01
4,4'-DDT	BQL	0.01
Dieldrin	BQL	0.01
Endosulfan I	BQL	0.01
Endosulfan II	BQL	0.01
Endosulfan sulfate	BQL	0.01
Endrin	BQL	0.01
Endrin aldehyde	BQL	0.01
Heptachlor	BQL	0.01
Heptachlor epoxide	BQL	0.01
Methoxychlor	BQL	0.01
Toxaphene	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.10
Arochlor-1221	BQL	0.10
Arochlor-1232	BQL	0.10
Arochlor-1242	BQL	0.10
Arochlor-1248	BQL	0.10
Arochlor-1254	BQL	0.10
Arochlor-1260	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218530 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-11

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004
Analyst: SW/JR

ACL Sample #: 218530 **Units:** mg/L

Analyte	Result	PQL
Aluminum	15.9	0.20
Antimony	0.25	0.05
Arsenic	[redacted]	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	32.3	0.25
Chromium	[redacted]	0.05
Cobalt	0.78	0.05
Copper	2.95	0.05
Iron	1380	0.10
Lead	[redacted]	0.05
Magnesium	8.71	0.25
Manganese	[redacted]	0.05
Mercury	BQL	0.005
Nickel	[redacted]	0.05
Potassium	2.82	0.25
Selenium	BQL	0.05
Silver	BQL	0.10
Sodium	89.5	0.25
Thallium	BQL	0.10
Vanadium	[redacted]	0.05
Zinc	4.13	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-11	218530	Chlorides (9252)	Liquid	113	50	mg/L	08/09/2004
WG-11	218530	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-11	218530	Nitrate (N)(353.2)	Liquid	2280	500	mg/L	08/06/2004
WG-11	218530	pH (9040B)	Liquid	[redacted]	0-14	pH Units	08/02/2004
WG-11	218530	Phosphorus (365.2)	Liquid	21.6	5.0	mg/L	08/03/2004
WG-11	218530	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-11	218530	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-11	218530	Sulfate (9038)	Liquid	[redacted]	2500	mg/L	08/04/2004
WG-11	218530	TOC (9060)	Liquid	[redacted]	100	mg/L	08/11/2004
WG-11	218530	T. Solids (SM2540G)	Liquid	1.2	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 Tampa FL 33619

Site Location: Atlanta

Project Manager: J&W Drum

Client Project: (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	
~~WG-26~~																

Sample in cooler. Added to COC by ACL. gg

Special Detection Limits

Remarks: 7/28 —

For Disposal Purposes

Special Reporting Requirements

Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4-6 °C

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 Day ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date: 7/29/04	Time: 18:30	Received by: John Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

WASTE CHARACTERIZATION REPORT

Tracking #

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Waste Corrosive Liquid, Basic

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environmenta

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30092

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsic.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Corrosive Liquid, Basic, inorganic, n.o.s, (sodium hydroxide, potassium hydroxide), 8, UN3266, PG II

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
☐ Bulk Solid (Ton >2000 lbs/yd³)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Line Item D (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor ~~None~~ Mild

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☐ 5-10 ☐ 10.1-12.4 ☒ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ **None** ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Caustic Liquid 25 to 50 % Inert Liquid 50 to 75 %

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D002

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** Totals ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

Line Item D (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent		Concentration	UHC?	Constituent		Concentration	UHC?
Selenium	☐ Yes	☐ No	0.27 mg/l		☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen L Buerki Printed Name Karen Buerki

Company Title Date U.S. EPA On-Scene Coordinator 5/4/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Line Item D (3 of 4)

ACL

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-04 Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Selenium 0.11
Sodium 48,800
pH 13
TOC 5,610

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
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PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
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1835 E. Park Place
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	1.00	Xylenes (Total)	BQL	0.05
Benzene	BQL	0.05			
Bromodichloromethane	BQL	0.05			
Bromoform	BQL	0.05			
Bromomethane	BQL	0.10			
2-Butanone	BQL	1.00			
Carbon disulfide	BQL	0.05			
Carbon tetrachloride	BQL	0.05			
Chlorobenzene	BQL	0.05			
Chloroethane	BQL	0.10			
Chloroform	BQL	0.05			
Chloromethane	BQL	0.10			
Dibromochloromethane	BQL	0.05			
1,1-Dichloroethane	BQL	0.05			
1,2-Dichloroethane	BQL	0.05			
1,1-Dichloroethene	BQL	0.05			
cis-1,2-Dichloroethene	BQL	0.05			
trans-1,2-Dichloroethene	BQL	0.05			
1,2-Dichloropropane	BQL	0.05			
cis-1,3-Dichloropropene	BQL	0.05			
trans-1,3-Dichloropropene	BQL	0.05			
Ethylbenzene	BQL	0.05			
2-Hexanone	BQL	0.50			
4-Methyl-2-pentanone	BQL	0.50			
Methylene chloride	BQL	0.10			
Styrene	BQL	0.05			
1,1,2,2-Tetrachloroethane	BQL	0.05			
Tetrachloroethene	BQL	0.05			
Toluene	BQL	0.05			
1,1,1-Trichloroethane	BQL	0.05			
1,1,2-Trichloroethane	BQL	0.05			
Trichloroethene	BQL	0.05			
Vinyl acetate	BQL	0.50			
Vinyl chloride	BQL	0.10			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	BQL	1.0
4-Methylphenol	BQL	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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Client: WRS Infrastructure & Env.
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	BQL	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	BQL	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	BQL	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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1835 E. Park Place
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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.01
a-BHC	BQL	0.01
b-BHC	BQL	0.01
d-BHC	BQL	0.01
g-BHC	BQL	0.01
Chlordane	BQL	0.02
4,4'-DDD	BQL	0.01
4,4'-DDE	BQL	0.01
4,4'-DDT	BQL	0.01
Dieldrin	BQL	0.01
Endosulfan I	BQL	0.01
Endosulfan II	BQL	0.01
Endosulfan sulfate	BQL	0.01
Endrin	BQL	0.01
Endrin aldehyde	BQL	0.01
Heptachlor	BQL	0.01
Heptachlor epoxide	BQL	0.01
Methoxychlor	BQL	0.01
Toxaphene	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-04

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004

ACL Sample #: 218522 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	2.83	0.20
Antimony	BQL	0.05
Arsenic	BQL	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	7.90	0.25
Chromium	BQL	0.05
Cobalt	BQL	0.05
Copper	0.23	0.05
Iron	1.58	0.10
Lead	0.09	0.05
Magnesium	1.13	0.25
Manganese	0.14	0.05
Mercury	BQL	0.005
Nickel	0.28	0.05
Potassium	312	0.25
Selenium	0.11	0.05
Silver	BQL	0.10
Sodium	48.00	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	0.30	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-04	218522	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-04	218522	pH (9040B)	Liquid	13.0	0-14	pH Units	08/02/2004
WG-04	218522	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-04	218522	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-04	218522	TOC (9060)	Liquid	5610	200	mg/L	08/11/2004
WG-04	218522	T. Solids (SM2540G)	Liquid	11.6	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813-684-9177

Company Address: 221 Hobbs St. Ste. 108 TAMPA, FL 33619

Site Location: JLW Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) J.W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST: See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Sampler: WRS	7/29/04	18:30	
WRS	7/30/04	10:45	
			Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-12

Liquid

NaOH ?

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Selenium 0.27
Sodium 147,000
pH 12.5

Attention: Mr. Greg Garrison

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

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E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
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PQL	Practical quantitation limit;
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	1.00	Xylenes (Total)	BQL	0.05
Benzene	BQL	0.05			
Bromodichloromethane	BQL	0.05			
Bromoform	BQL	0.05			
Bromomethane	BQL	0.10			
2-Butanone	BQL	1.00			
Carbon disulfide	BQL	0.05			
Carbon tetrachloride	BQL	0.05			
Chlorobenzene	BQL	0.05			
Chloroethane	BQL	0.10			
Chloroform	BQL	0.05			
Chloromethane	BQL	0.10			
Dibromochloromethane	BQL	0.05			
1,1-Dichloroethane	BQL	0.05			
1,2-Dichloroethane	BQL	0.05			
1,1-Dichloroethene	BQL	0.05			
cis-1,2-Dichloroethene	BQL	0.05			
trans-1,2-Dichloroethene	BQL	0.05			
1,2-Dichloropropane	BQL	0.05			
cis-1,3-Dichloropropene	BQL	0.05			
trans-1,3-Dichloropropene	BQL	0.05			
Ethylbenzene	BQL	0.05			
2-Hexanone	BQL	0.50			
4-Methyl-2-pentanone	BQL	0.50			
Methylene chloride	BQL	0.10			
Styrene	BQL	0.05			
1,1,2,2-Tetrachloroethane	BQL	0.05			
Tetrachloroethene	BQL	0.05			
Toluene	BQL	0.05			
1,1,1-Trichloroethane	BQL	0.05			
1,1,2-Trichloroethane	BQL	0.05			
Trichloroethene	BQL	0.05			
Vinyl acetate	BQL	0.50			
Vinyl chloride	BQL	0.10			

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www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	15
4-Chloro-3-methylphenol	BQL	6.0
2-Chlorophenol	BQL	3.0
2,4-Dichlorophenol	BQL	3.0
2,4-Dimethylphenol	BQL	3.0
4,6-Dinitro-2-methylphenol	BQL	15
2,4-Dinitrophenol	BQL	15
2-Methylphenol	BQL	3.0
4-Methylphenol	BQL	3.0
2-Nitrophenol	BQL	3.0
4-Nitrophenol	BQL	15
Pentachlorophenol	BQL	15
Phenol	BQL	3.0
2,4,5-Trichlorophenol	BQL	3.0
2,4,6-Trichlorophenol	BQL	3.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	3.0	Hexachlorobutadiene	BQL	3.0
Acenaphthylene	BQL	3.0	Hexachlorocyclopentadiene	BQL	3.0
Anthracene	BQL	3.0	Hexachloroethane	BQL	3.0
Benzo(a)anthracene	BQL	3.0	Indeno(1,2,3-cd)pyrene	BQL	3.0
Benzo(a)pyrene	BQL	3.0	Isophorone	BQL	3.0
Benzo(b)fluoranthene	BQL	3.0	2-Methylnaphthalene	BQL	3.0
Benzo(g,h,i)perylene	BQL	3.0	Naphthalene	BQL	3.0
Benzo(k)fluoranthene	BQL	3.0	2-Nitroaniline	BQL	15
Benzyl alcohol	BQL	6.0	3-Nitroaniline	BQL	15
Bis(2-chloroethoxy)methane	BQL	3.0	4-Nitroaniline	BQL	15
Bis(2-chloroethyl)ether	BQL	3.0	Nitrobenzene	BQL	3.0
Bis(2-chloroisopropyl)ether	BQL	3.0	N-Nitroso-di-n-propylamine	BQL	3.0
Bis(2-ethylhexyl)phthalate	BQL	3.0	N-Nitrosodiphenylamine	BQL	3.0
4-Bromophenyl phenyl ether	BQL	3.0	Phenanthrene	BQL	3.0
Butyl benzyl phthalate	BQL	3.0	Pyrene	BQL	3.0
4-Chloroaniline	BQL	6.0	1,2,4-Trichlorobenzene	BQL	3.0
2-Chloronaphthalene	BQL	3.0			
4-Chlorophenyl phenyl ether	BQL	3.0			
Chrysene	BQL	3.0			
Di-n-butyl phthalate	BQL	3.0			
Di-n-octyl phthalate	BQL	3.0			
Dibenz(a,h)anthracene	BQL	3.0			
Dibenzofuran	BQL	3.0			
1,2-Dichlorobenzene	BQL	3.0			
1,3-Dichlorobenzene	BQL	3.0			
1,4-Dichlorobenzene	BQL	3.0			
3,3'-Dichlorobenzidine	BQL	6.0			
Diethyl phthalate	BQL	3.0			
Dimethyl phthalate	BQL	3.0			
2,4-Dinitrotoluene	BQL	3.0			
2,6-Dinitrotoluene	BQL	3.0			
Fluoranthene	BQL	3.0			
Fluorene	BQL	3.0			
Hexachlorobenzene	BQL	3.0			

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.01
a-BHC	BQL	0.01
b-BHC	BQL	0.01
d-BHC	BQL	0.01
g-BHC	BQL	0.01
Chlordane	BQL	0.02
4,4'-DDD	BQL	0.01
4,4'-DDE	BQL	0.01
4,4'-DDT	BQL	0.01
Dieldrin	BQL	0.01
Endosulfan I	BQL	0.01
Endosulfan II	BQL	0.01
Endosulfan sulfate	BQL	0.01
Endrin	BQL	0.01
Endrin aldehyde	BQL	0.01
Heptachlor	BQL	0.01
Heptachlor epoxide	BQL	0.01
Methoxychlor	BQL	0.01
Toxaphene	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: *Mr. Greg Garrison*

PCBs (3550B/8082)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218531 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-12

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004
Analyst: SW/JR

ACL Sample #: 218531 **Units:** mg/L

Analyte	Result	PQL
Aluminum	4.45	0.20
Antimony	BQL	0.05
Arsenic	BQL	0.05
Barium	2.06	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	19.5	0.25
Chromium	0.10	0.05
Cobalt	BQL	0.05
Copper	1.86	0.05
Iron	2.32	0.10
Lead	0.12	0.05
Magnesium	0.27	0.25
Manganese	0.17	0.05
Mercury	BQL	0.005
Nickel	0.21	0.05
Potassium	1320	0.25
Selenium	[redacted]	0.05
Silver	BQL	0.10
Sodium	[redacted]	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	0.24	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-12	218531	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-12	218531	pH (9040B)	Liquid	12.5	0-14	pH Units	08/02/2004
WG-12	218531	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-12	218531	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-12	218531	Sulfide (9034)	Liquid	BQL	2.0	mg/L	08/12/2004
WG-12	218531	TOC (9060)	Liquid	BQL	35	mg/L	08/17/2004
WG-12	218531	T. Solids (SM2540G)	Liquid	40.1	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 Tampa FL 33619

Site Location: Atlanta

Project Manager: J&W Drum

Client Project: (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	Sample in cooler. Added to COC by ACL.
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	
~~WG-26~~																

Special Detection Limits

Remarks: 7/28 — For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4.6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date 7/29/04	Time 18:30	Received by: John Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Waste Flammable Liquid

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton Forsyth

Mailing Address AFC - 11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Flammable Liquids, n.o.s., (~~[illegible]~~ ethyl benzene, xylene), 3, UN1993, PG III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)
Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Line Item E (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☒ 90-140°F ☐ 140-199°F ☐ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Toluene 1 to 5 % Cadmium 1 to 5 %

Chromium 1 to 5 % Inert Liquid 85 to 97 %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D001, ~~[illegible]~~ D007, D008

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☐ **Analysis*** ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☒ Above 5/4/05	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☐ Below ☒ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☒ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

See Item E (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds - VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent			Concentration	UHC?	Constituent			Concentration	UHC?
2-Methylphenol	☐ Yes	☐ No	13.0 mg/l			☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		
Naphthalene	☐ Yes	☐ No	6.6 mg/l			☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company Title Date U.S. EPA On-Scene Coordinator 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Line Item E (3 of 4)

ACL

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Laboratory Report

TCLP Metals?

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-06B Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

ETX
2-Methylphenol 13.0
4-Methylphenol 4.5
2-Methylnaphthalene 3.9
Naphthalene 6.6
Chromium 123
Lead 8.37
Selenium 0.09
Cadmium 0.09
Flash 126°F
pH 8.0
TOC 6380

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218525 **Units:** mg/L

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	5.00	Xylenes (Total)	548	0.25
Benzene	BQL	0.25			
Bromodichloromethane	BQL	0.25			
Bromoform	BQL	0.25			
Bromomethane	BQL	0.50			
2-Butanone	BQL	5.00			
Carbon disulfide	BQL	0.25			
Carbon tetrachloride	BQL	0.25			
Chlorobenzene	BQL	0.25			
Chloroethane	BQL	0.50			
Chloroform	BQL	0.25			
Chloromethane	BQL	0.50			
Dibromochloromethane	BQL	0.25			
1,1-Dichloroethane	BQL	0.25			
1,2-Dichloroethane	BQL	0.25			
1,1-Dichloroethene	BQL	0.25			
cis-1,2-Dichloroethene	BQL	0.25			
trans-1,2-Dichloroethene	BQL	0.25			
1,2-Dichloropropane	BQL	0.25			
cis-1,3-Dichloropropene	BQL	0.25			
trans-1,3-Dichloropropene	BQL	0.25			
Ethylbenzene	258	0.25			
2-Hexanone	BQL	2.50			
4-Methyl-2-pentanone	BQL	2.50			
Methylene chloride	BQL	0.50			
Styrene	BQL	0.25			
1,1,2,2-Tetrachloroethane	BQL	0.25			
Tetrachloroethene	BQL	0.25			
Toluene	961	0.25			
1,1,1-Trichloroethane	BQL	0.25			
1,1,2-Trichloroethane	BQL	0.25			
Trichloroethene	BQL	0.25			
Vinyl acetate	BQL	2.50			
Vinyl chloride	BQL	0.50			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	[redacted]	1.0
4-Methylphenol	[redacted]	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	39	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	56	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	94	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.02
a-BHC	BQL	0.02
b-BHC	BQL	0.02
d-BHC	BQL	0.02
g-BHC	BQL	0.02
Chlordane	BQL	0.04
4,4'-DDD	BQL	0.02
4,4'-DDE	BQL	0.02
4,4'-DDT	BQL	0.02
Dieldrin	BQL	0.02
Endosulfan I	BQL	0.02
Endosulfan II	BQL	0.02
Endosulfan sulfate	BQL	0.02
Endrin	BQL	0.02
Endrin aldehyde	BQL	0.02
Heptachlor	BQL	0.02
Heptachlor epoxide	BQL	0.02
Methoxychlor	BQL	0.02
Toxaphene	BQL	0.40

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.10
Arochlor-1221	BQL	0.10
Arochlor-1232	BQL	0.10
Arochlor-1242	BQL	0.10
Arochlor-1248	BQL	0.10
Arochlor-1254	BQL	0.10
Arochlor-1260	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-06B

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004

ACL Sample #: 218525 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	105	0.20
Antimony	0.32	0.05
Arsenic	[redacted]	0.05
Barium	0.56	0.10
Beryllium	BQL	0.10
Cadmium	[redacted]	0.05
Calcium	50.3	0.25
Chromium	[redacted]	0.05
Cobalt	BQL	0.05
Copper	5.63	0.05
Iron	203	0.10
Lead	[redacted]	0.05
Magnesium	14.8	0.25
Manganese	[redacted]	0.05
Mercury	BQL	0.005
Nickel	0.21	0.05
Potassium	207	0.25
Selenium	0.09	0.05
Silver	BQL	0.10
Sodium	1640	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	11.6	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-06B	218525	Flashpoint (1010)	Liquid	[redacted]	60-200	°F	08/13/2004
WG-06B	218525	Nitrate (N)(353.2)	Liquid	7.0	5.0	mg/L	08/06/2004
WG-06B	218525	pH (9040B)	Liquid	8.0	0-14	pH Units	08/02/2004
WG-06B	218525	Phosphorus (365.2)	Liquid	188	5.0	mg/L	08/03/2004
WG-06B	218525	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-06B	218525	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-06B	218525	Sulfate (9038)	Liquid	BQL	50	mg/L	08/04/2004
WG-06B	218525	TOC (9060)	Liquid	[redacted]	300	mg/L	08/11/2004
WG-06B	218525	T. Solids (SM2540G)	Liquid	1.4	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813-684-9177

Company Address: 221 Hobbs St. Ste. 108 Tampa, FL 33619

Site Location: JLW Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) JLW Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST: See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp.: 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Sampler: WRS	7/29/04	18:30	John Lee
John Lee WRS	7/30/04	10:45	Meyleth Belm
Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

WASTE CHARACTERIZATION REPORT

Tracking #

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489	Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489	Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080	Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357	Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700	Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463	Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000	Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160	Fax: 317-247-7170	EPA ID # MIO 000 263 871
☒ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520	Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100	Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: NON-HAZARDOUS SLUDGE

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Non-Hazardous, Non-Regulated Solids

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)
Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Cite Item F (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☐ Liquid ☒ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Non-Hazardous Sludge 100 to % to %

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

Line Item F (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain ≥10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain ≥1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent			Concentration	UHC?	Constituent			Concentration	UHC?
Acetone	☐ Yes	☐ No	20.9 mg/kg		Zinc	☐ Yes	☐ No	343 mg/kg	
Cadmium	☐ Yes	☐ No	3.24 mg/kg			☐ Yes	☐ No		
Chromium	☐ Yes	☐ No	34.3 mg/kg			☐ Yes	☐ No		
Lead			78.3 mg/kg			☐ Yes	☐ No		
Nickel			20.0 mg/kg			☐ Yes	☐ No		

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company U.S. EPA Title On-Scene Coordinator Date 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Line Item F (3 of 4)

ACL

ADVANCED CHEMISTRY LABS, INC.

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Fax: (770) 409-1844
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P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-05 Solids

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Arsenic 6.73
Cadmium 3.24
Chromium 34.3
Lead 78.3
Mercury 1.70
Nickel 20.0
Zinc 343

Report Date: 8/25/2004

Passed TCLP Metals

This report contains 12 pages.
(including this cover page and chain of custody)

TOC 205,000

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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3039 Amwiler Road, Suite 100, Atlanta, GA 30360
P. O. Box 88610, Atlanta, GA 30356

Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/11/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	5.00	Xylenes (Total)	BQL	0.25
Benzene	BQL	0.25			
Bromodichloromethane	BQL	0.25			
Bromoform	BQL	0.25			
Bromomethane	BQL	0.50			
2-Butanone	BQL	5.00			
Carbon disulfide	BQL	0.25			
Carbon tetrachloride	BQL	0.25			
Chlorobenzene	BQL	0.25			
Chloroethane	BQL	0.50			
Chloroform	BQL	0.25			
Chloromethane	BQL	0.50			
Dibromochloromethane	BQL	0.25			
1,1-Dichloroethane	BQL	0.25			
1,2-Dichloroethane	BQL	0.25			
1,1-Dichloroethene	BQL	0.25			
cis-1,2-Dichloroethene	BQL	0.25			
trans-1,2-Dichloroethene	BQL	0.25			
1,2-Dichloropropane	BQL	0.25			
cis-1,3-Dichloropropene	BQL	0.25			
trans-1,3-Dichloropropene	BQL	0.25			
Ethylbenzene	BQL	0.25			
2-Hexanone	BQL	2.50			
4-Methyl-2-pentanone	BQL	2.50			
Methylene chloride	BQL	0.50			
Styrene	BQL	0.25			
1,1,2,2-Tetrachloroethane	BQL	0.25			
Tetrachloroethene	BQL	0.25			
Toluene	BQL	0.25			
1,1,1-Trichloroethane	BQL	0.25			
1,1,2-Trichloroethane	BQL	0.25			
Trichloroethene	BQL	0.25			
Vinyl acetate	BQL	2.50			
Vinyl chloride	BQL	0.50			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	500
4-Chloro-3-methylphenol	BQL	200
2-Chlorophenol	BQL	100
2,4-Dichlorophenol	BQL	100
2,4-Dimethylphenol	BQL	100
4,6-Dinitro-2-methylphenol	BQL	500
2,4-Dinitrophenol	BQL	500
2-Methylphenol	BQL	100
4-Methylphenol	BQL	100
2-Nitrophenol	BQL	100
4-Nitrophenol	BQL	500
Pentachlorophenol	BQL	500
Phenol	BQL	100
2,4,5-Trichlorophenol	BQL	100
2,4,6-Trichlorophenol	BQL	100

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	100	Hexachlorobutadiene	BQL	100
Acenaphthylene	BQL	100	Hexachlorocyclopentadiene	BQL	100
Anthracene	BQL	100	Hexachloroethane	BQL	100
Benzo(a)anthracene	BQL	100	Indeno(1,2,3-cd)pyrene	BQL	100
Benzo(a)pyrene	BQL	100	Isophorone	BQL	100
Benzo(b)fluoranthene	BQL	100	2-Methylnaphthalene	BQL	100
Benzo(g,h,i)perylene	BQL	100	Naphthalene	BQL	100
Benzo(k)fluoranthene	BQL	100	2-Nitroaniline	BQL	500
Benzyl alcohol	BQL	200	3-Nitroaniline	BQL	500
Bis(2-chloroethoxy)methane	BQL	100	4-Nitroaniline	BQL	500
Bis(2-chloroethyl)ether	BQL	100	Nitrobenzene	BQL	100
Bis(2-chloroisopropyl)ether	BQL	100	N-Nitroso-di-n-propylamine	BQL	100
Bis(2-ethylhexyl)phthalate	BQL	100	N-Nitrosodiphenylamine	BQL	100
4-Bromophenyl phenyl ether	BQL	100	Phenanthrene	BQL	100
Butyl benzyl phthalate	BQL	100	Pyrene	BQL	100
4-Chloroaniline	BQL	200	1,2,4-Trichlorobenzene	BQL	100
2-Chloronaphthalene	BQL	100			
4-Chlorophenyl phenyl ether	BQL	100			
Chrysene	BQL	100			
Di-n-butyl phthalate	BQL	100			
Di-n-octyl phthalate	BQL	100			
Dibenz(a,h)anthracene	BQL	100			
Dibenzofuran	BQL	100			
1,2-Dichlorobenzene	BQL	100			
1,3-Dichlorobenzene	BQL	100			
1,4-Dichlorobenzene	BQL	100			
3,3'-Dichlorobenzidine	BQL	200			
Diethyl phthalate	BQL	100			
Dimethyl phthalate	BQL	100			
2,4-Dinitrotoluene	BQL	100			
2,6-Dinitrotoluene	BQL	100			
Fluoranthene	BQL	100			
Fluorene	BQL	100			
Hexachlorobenzene	BQL	100			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.10
a-BHC	BQL	0.10
b-BHC	BQL	0.10
d-BHC	BQL	0.10
g-BHC	BQL	0.10
Chlordane	BQL	0.20
4,4'-DDD	BQL	0.10
4,4'-DDE	BQL	0.10
4,4'-DDT	BQL	0.10
Dieldrin	BQL	0.10
Endosulfan I	BQL	0.10
Endosulfan II	BQL	0.10
Endosulfan sulfate	BQL	0.10
Endrin	BQL	0.10
Endrin aldehyde	BQL	0.10
Heptachlor	BQL	0.10
Heptachlor epoxide	BQL	0.10
Methoxychlor	BQL	0.10
Toxaphene	BQL	2.0

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P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218523 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218523 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	7790	20.0
Antimony	BQL	5.00
Arsenic	[redacted]	5.00
Barium	78.4	10.0
Beryllium	BQL	10.0
Cadmium	[redacted]	2.50
Calcium	20000	25.0
Chromium	[redacted]	5.00
Cobalt	10.2	5.00
Copper	54.5	5.00
Iron	32700	10.0
Lead	[redacted]	5.00
Magnesium	5000	25.0
Manganese	[redacted]	5.00
Mercury	[redacted]	0.50
Nickel	[redacted]	5.00
Potassium	1680	25.0
Selenium	BQL	5.00
Silver	BQL	10.0
Sodium	640	25.0
Thallium	BQL	10.0
Vanadium	29.2	5.00
Zinc	[redacted]	5.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-05

Matrix: Solids
Date Sampled: 07/28/2004
Date Extracted: 08/20/2004
Date Analyzed: 08/23/2004

ACL Sample #: 218523 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-05	218523	Ignitability (1010M)	Solids	> 200	60-200	°F	08/16/2004
WG-05	218523	pH (9045C)	Solids	7.5	0-14	pH Units	08/03/2004
WG-05	218523	React. CN (Sect. 7.3.3.2)	Solids	BQL	5.0	mg/kg	08/04/2004
WG-05	218523	React. S (Sect. 7.3.4.2)	Solids	BQL	5.0	mg/kg	08/12/2004
WG-05	218523	TOC (9060)	Solids	205000	5000	mg/kg	08/22/2004
WG-05	218523	T. Solids (SM2540G)	Solids	82.6	0.5	%	08/06/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: ~~813 684 9177~~

Company Address: 221 Hobbs St. Ste. 108 Tampa, FL 33619

Site Location: JLW Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) J.W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST: See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:
Greg Garrison WRS	7/29/04	18:30	[illegible]
Relinquished by:	**Date**	**Time**	**Received by:**
[illegible] WRS	7/30/04	10:45	[illegible]
Relinquished by	**Date**	**Time**	**Received by Laboratory:**
			Waybill # N. Williams 11:08am 7/30

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-07 Sludge

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Acetone 20.9
TOX 4300

Attention: Mr. Greg Garrison

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218526 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	[redacted]	5.00	Xylenes (Total)	BQL	0.25
Benzene	BQL	0.25			
Bromodichloromethane	BQL	0.25			
Bromoform	BQL	0.25			
Bromomethane	BQL	0.50			
2-Butanone	BQL	5.00			
Carbon disulfide	BQL	0.25			
Carbon tetrachloride	BQL	0.25			
Chlorobenzene	BQL	0.25			
Chloroethane	BQL	0.50			
Chloroform	BQL	0.25			
Chloromethane	BQL	0.50			
Dibromochloromethane	BQL	0.25			
1,1-Dichloroethane	BQL	0.25			
1,2-Dichloroethane	BQL	0.25			
1,1-Dichloroethene	BQL	0.25			
cis-1,2-Dichloroethene	BQL	0.25			
trans-1,2-Dichloroethene	BQL	0.25			
1,2-Dichloropropane	BQL	0.25			
cis-1,3-Dichloropropene	BQL	0.25			
trans-1,3-Dichloropropene	BQL	0.25			
Ethylbenzene	BQL	0.25			
2-Hexanone	BQL	2.50			
4-Methyl-2-pentanone	BQL	2.50			
Methylene chloride	BQL	0.50			
Styrene	BQL	0.25			
1,1,2,2-Tetrachloroethane	BQL	0.25			
Tetrachloroethene	BQL	0.25			
Toluene	BQL	0.25			
1,1,1-Trichloroethane	BQL	0.25			
1,1,2-Trichloroethane	BQL	0.25			
Trichloroethene	BQL	0.25			
Vinyl acetate	BQL	2.50			
Vinyl chloride	BQL	0.50			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218526 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	625
4-Chloro-3-methylphenol	BQL	250
2-Chlorophenol	BQL	125
2,4-Dichlorophenol	BQL	125
2,4-Dimethylphenol	BQL	125
4,6-Dinitro-2-methylphenol	BQL	625
2,4-Dinitrophenol	BQL	625
2-Methylphenol	BQL	125
4-Methylphenol	BQL	125
2-Nitrophenol	BQL	125
4-Nitrophenol	BQL	625
Pentachlorophenol	BQL	625
Phenol	BQL	125
2,4,5-Trichlorophenol	BQL	125
2,4,6-Trichlorophenol	BQL	125

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218526 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	125	Hexachlorobutadiene	BQL	125
Acenaphthylene	BQL	125	Hexachlorocyclopentadiene	BQL	125
Anthracene	BQL	125	Hexachloroethane	BQL	125
Benzo(a)anthracene	BQL	125	Indeno(1,2,3-cd)pyrene	BQL	125
Benzo(a)pyrene	BQL	125	Isophorone	BQL	125
Benzo(b)fluoranthene	BQL	125	2-Methylnaphthalene	BQL	125
Benzo(g,h,i)perylene	BQL	125	Naphthalene	BQL	125
Benzo(k)fluoranthene	BQL	125	2-Nitroaniline	BQL	625
Benzyl alcohol	BQL	250	3-Nitroaniline	BQL	625
Bis(2-chloroethoxy)methane	BQL	125	4-Nitroaniline	BQL	625
Bis(2-chloroethyl)ether	BQL	125	Nitrobenzene	BQL	125
Bis(2-chloroisopropyl)ether	BQL	125	N-Nitroso-di-n-propylamine	BQL	125
Bis(2-ethylhexyl)phthalate	BQL	125	N-Nitrosodiphenylamine	BQL	125
4-Bromophenyl phenyl ether	BQL	125	Phenanthrene	BQL	125
Butyl benzyl phthalate	BQL	125	Pyrene	BQL	125
4-Chloroaniline	BQL	250	1,2,4-Trichlorobenzene	BQL	125
2-Chloronaphthalene	BQL	125			
4-Chlorophenyl phenyl ether	BQL	125			
Chrysene	BQL	125			
Di-n-butyl phthalate	BQL	125			
Di-n-octyl phthalate	BQL	125			
Dibenz(a,h)anthracene	BQL	125			
Dibenzofuran	BQL	125			
1,2-Dichlorobenzene	BQL	125			
1,3-Dichlorobenzene	BQL	125			
1,4-Dichlorobenzene	BQL	125			
3,3'-Dichlorobenzidine	BQL	250			
Diethyl phthalate	BQL	125			
Dimethyl phthalate	BQL	125			
2,4-Dinitrotoluene	BQL	125			
2,6-Dinitrotoluene	BQL	125			
Fluoranthene	BQL	125			
Fluorene	BQL	125			
Hexachlorobenzene	BQL	125			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218526 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218526 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218526 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-07

Matrix: Sludge
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218526 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	144	4.00
Antimony	BQL	1.00
Arsenic	BQL	1.00
Barium	BQL	2.00
Beryllium	BQL	2.00
Cadmium	BQL	0.50
Calcium	2480	5.00
Chromium	BQL	1.00
Cobalt	BQL	1.00
Copper	1.57	1.00
Iron	328	2.00
Lead	BQL	1.00
Magnesium	33.9	5.00
Manganese	3.82	1.00
Mercury	BQL	0.10
Nickel	BQL	1.00
Potassium	140	5.00
Selenium	BQL	1.00
Silver	BQL	2.00
Sodium	851	5.00
Thallium	BQL	2.00
Vanadium	BQL	1.00
Zinc	6.34	1.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-07	218526	Ash (SM2540G)	Sludge	6.5	0.1	%	08/18/2004
WG-07	218526	Heat/Comb (D-240)	Sludge	2520	1000	BTU/lb	08/14/2004
WG-07	218526	Ignitability (1010M)	Sludge	> 200	60-200	°F	08/16/2004
WG-07	218526	pH (9045C)	Sludge	6.0	0-14	pH Units	08/03/2004
WG-07	218526	React. CN (Sect. 7.3.3.2)	Sludge	BQL	5.0	mg/kg	08/04/2004
WG-07	218526	React. S (Sect. 7.3.4.2)	Sludge	BQL	5.0	mg/kg	08/12/2004
WG-07	218526	TOX (Cl) (9020B)	Sludge	4300	100	mg/kg	08/24/2004
WG-07	218526	T. Solids (SM2540G)	Sludge	23.2	0.5	%	08/06/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS
Phone #: 813 917 2542
Fax #: 813-684-9177
Company Address: 221 Hobbs St. Ste. 108 Tampa, FL 33619
Site Location: J&W Drum
Project Manager: Greg Garrison
Client Project: (#) 104120
(Name) J&W Drum
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST: See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits:

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp.: 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Greg Garrison WRS	7/29/04	18:30	John Lee
John Lee WRS	7/30/04	10:45	Meyleh Behn
			Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Waste Corrosive Solid

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Corrosive Solid, Acidic, inorganic, n.o.s., (sulfuric acid, hydrochloric acid), 8, UN3260, PG II

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)
Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Line Item G (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☒ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☒ ≤2 ☐ 2.1-4.9 ☐ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

to % to % 100% solids

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D002

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No.

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

Line Item 6 (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent			Concentration	UHC?	Constituent			Concentration	UHC?
Cadmium	☐ Yes	☐ No	1.0 mg/kg			☐ Yes	☐ No		
Chromium	☐ Yes	☐ No				☐ Yes	☐ No		
Lead	☐ Yes	☐ No	31.8 mg/kg			☐ Yes	☐ No		
Vanadium	☐ Yes	☐ No	41.2 mg/kg			☐ Yes	☐ No		
			18.6 mg/kg						

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company U.S. EPA Title On-Scene Coordinator Date 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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Cite Item G (3 of 4)

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3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Laboratory Report

– TCLP Metals all passed

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-08

Solids

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Cadmium 1.0
Chromium 31.8
Lead 41.2
Mercury 0.24
Nickel 3.98
Thallium 5.20
Vanadium 18.6

Report Date: 8/25/2004

This report contains 12 pages.
(including this cover page and chain of custody)

pH 2.0
Sulfate 128,000

John Andros

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

ACL

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P. O. Box 88610, Atlanta, GA 30356

Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218527 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	10.0	Xylenes (Total)	BQL	0.50
Benzene	BQL	0.50			
Bromodichloromethane	BQL	0.50			
Bromoform	BQL	0.50			
Bromomethane	BQL	1.00			
2-Butanone	BQL	10.0			
Carbon disulfide	BQL	0.50			
Carbon tetrachloride	BQL	0.50			
Chlorobenzene	BQL	0.50			
Chloroethane	BQL	1.00			
Chloroform	BQL	0.50			
Chloromethane	BQL	1.00			
Dibromochloromethane	BQL	0.50			
1,1-Dichloroethane	BQL	0.50			
1,2-Dichloroethane	BQL	0.50			
1,1-Dichloroethene	BQL	0.50			
cis-1,2-Dichloroethene	BQL	0.50			
trans-1,2-Dichloroethene	BQL	0.50			
1,2-Dichloropropane	BQL	0.50			
cis-1,3-Dichloropropene	BQL	0.50			
trans-1,3-Dichloropropene	BQL	0.50			
Ethylbenzene	BQL	0.50			
2-Hexanone	BQL	5.00			
4-Methyl-2-pentanone	BQL	5.00			
Methylene chloride	BQL	1.00			
Styrene	BQL	0.50			
1,1,2,2-Tetrachloroethane	BQL	0.50			
Tetrachloroethene	BQL	0.50			
Toluene	BQL	0.50			
1,1,1-Trichloroethane	BQL	0.50			
1,1,2-Trichloroethane	BQL	0.50			
Trichloroethene	BQL	0.50			
Vinyl acetate	BQL	5.00			
Vinyl chloride	BQL	1.00			

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Client: WRS Infrastructure & Env.
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Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218527 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	250
4-Chloro-3-methylphenol	BQL	100
2-Chlorophenol	BQL	50
2,4-Dichlorophenol	BQL	50
2,4-Dimethylphenol	BQL	50
4,6-Dinitro-2-methylphenol	BQL	250
2,4-Dinitrophenol	BQL	250
2-Methylphenol	BQL	50
4-Methylphenol	BQL	50
2-Nitrophenol	BQL	50
4-Nitrophenol	BQL	250
Pentachlorophenol	BQL	250
Phenol	BQL	50
2,4,5-Trichlorophenol	BQL	50
2,4,6-Trichlorophenol	BQL	50

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Client: WRS Infrastructure & Env.
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218527 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	50	Hexachlorobutadiene	BQL	50
Acenaphthylene	BQL	50	Hexachlorocyclopentadiene	BQL	50
Anthracene	BQL	50	Hexachloroethane	BQL	50
Benzo(a)anthracene	BQL	50	Indeno(1,2,3-cd)pyrene	BQL	50
Benzo(a)pyrene	BQL	50	Isophorone	BQL	50
Benzo(b)fluoranthene	BQL	50	2-Methylnaphthalene	BQL	50
Benzo(g,h,i)perylene	BQL	50	Naphthalene	BQL	50
Benzo(k)fluoranthene	BQL	50	2-Nitroaniline	BQL	250
Benzyl alcohol	BQL	100	3-Nitroaniline	BQL	250
Bis(2-chloroethoxy)methane	BQL	50	4-Nitroaniline	BQL	250
Bis(2-chloroethyl)ether	BQL	50	Nitrobenzene	BQL	50
Bis(2-chloroisopropyl)ether	BQL	50	N-Nitroso-di-n-propylamine	BQL	50
Bis(2-ethylhexyl)phthalate	BQL	50	N-Nitrosodiphenylamine	BQL	50
4-Bromophenyl phenyl ether	BQL	50	Phenanthrene	BQL	50
Butyl benzyl phthalate	BQL	50	Pyrene	BQL	50
4-Chloroaniline	BQL	100	1,2,4-Trichlorobenzene	BQL	50
2-Chloronaphthalene	BQL	50			
4-Chlorophenyl phenyl ether	BQL	50			
Chrysene	BQL	50			
Di-n-butyl phthalate	BQL	50			
Di-n-octyl phthalate	BQL	50			
Dibenz(a,h)anthracene	BQL	50			
Dibenzofuran	BQL	50			
1,2-Dichlorobenzene	BQL	50			
1,3-Dichlorobenzene	BQL	50			
1,4-Dichlorobenzene	BQL	50			
3,3'-Dichlorobenzidine	BQL	100			
Diethyl phthalate	BQL	50			
Dimethyl phthalate	BQL	50			
2,4-Dinitrotoluene	BQL	50			
2,6-Dinitrotoluene	BQL	50			
Fluoranthene	BQL	50			
Fluorene	BQL	50			
Hexachlorobenzene	BQL	50			

ACL

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Fax: (770) 409-1844
e-mail: acl@acl-labs.net

3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218527 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218527 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218527 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218527 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	106	4.00
Antimony	BQL	1.00
Arsenic	BQL	1.00
Barium	17.5	2.00
Beryllium	BQL	2.00
Cadmium	[redacted]	0.50
Calcium	8970	5.00
Chromium	[redacted]	1.00
Cobalt	BQL	1.00
Copper	6.89	1.00
Iron	68200	2.00
Lead	[redacted]	1.00
Magnesium	87.6	5.00
Manganese	53.0	1.00
Mercury	[redacted]	0.10
Nickel	[redacted]	1.00
Potassium	49.8	5.00
Selenium	BQL	1.00
Silver	BQL	2.00
Sodium	1930	5.00
Thallium	[redacted]	2.00
Vanadium	[redacted]	1.00
Zinc	1.10	1.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-08

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/20/2004
Date Analyzed: 08/23/2004

ACL Sample #: 218527 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-08	218527	Chlorides (9252)	Solids	5530	500	mg/kg	08/09/2004
WG-08	218527	Ignitability (1010M)	Solids	> 200	60-200	°F	08/16/2004
WG-08	218527	Nitrate (N)(353.2)	Solids	BQL	10.0	mg/kg	08/06/2004
WG-08	218527	pH (9045C)	Solids	2.0	0-14	pH Units	08/03/2004
WG-08	218527	Phosphorus (365.2)	Solids	54.6	5.0	mg/kg	08/03/2004
WG-08	218527	React. CN (Sect. 7.3.3.2)	Solids	BQL	5.0	mg/kg	08/04/2004
WG-08	218527	React. S (Sect. 7.3.4.2)	Solids	BQL	5.0	mg/kg	08/12/2004
WG-08	218527	Sulfate (9038)	Solids	128000	10000	mg/kg	08/16/2004
WG-08	218527	T. Solids (SM2540G)	Solids	46.7	0.5	%	08/06/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs St. Ste. 108 TAMPA, FL 33619

Site Location: J&W Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST: See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp: 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Sampler: WRS	7/29/04	18:30	
Relinquished by: WRS	7/30/04	10:45	
Relinquished by	Date	Time	Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Hazardous Waste Liquid (Line Item H)

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4 – J&W Pallet and Drum

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street (Forsyth)

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Hazardous Waste Liquid, N.O.S. (Benzene), 9, NA 3082, PG III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (**check all that apply**)

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)

☐ Bulk Solid (Ton >2000 lbs/yd^3)

☐ Bulk Liquids (Gallon)

☐ Totes, Size

☐ Cubic Yard Boxes/Bags

☒ Drums

☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Line Item H

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor ~~None~~ Mothballs

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☒ 140-199°F ☐ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

5 to 10 % 2-Methylnaphthalene 85 to 93 % Liquid

2 to 5 % Naphthalene %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D018

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Totals

Based On: ☐ Generator Knowledge ☒ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☐ Below ☒ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☒ Yes ☐ No

If yes, please list the constituents in Section 11.

Line Item H

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volalite Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☒ Yes ☐ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☒ Yes* ☐
*If yes, Heat value (BTU/lb.) 19240 Chlorine (%) >0.01 Water (%) >0.1 Solids (%) 42.7
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent			Concentration	UHC?	Constituent		Concentration	UHC?
Toluene	<1-5%	☒ Yes	☐ No			☐ Yes	☐ No	
Xylene	<1-5%	☒ Yes	☐ No			☐ Yes	☐ No	
		☐ Yes	☐ No			☐ Yes	☐ No	
		☐ Yes	☐ No			☐ Yes	☐ No	
		☐ Yes	☐ No			☐ Yes	☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company U.S. EPA Title On-Scene Coordinator Date 5/6/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Line Item H

ACL

ADVANCED CHEMISTRY LABS, INC.

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3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-09 Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

BETX
2-Methynaphthalene 55,600
Naphthalene 35,300
BTU 19,260
Flash 155° F

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: RP

ACL Sample #: 218528 **Units:** mg/L

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Xylenes (Total)	511	5.0
Benzene	13	5.0			
Bromodichloromethane	BQL	5.0			
Bromoform	BQL	5.0			
Bromomethane	BQL	10			
2-Butanone	BQL	100			
Carbon disulfide	BQL	5.0			
Carbon tetrachloride	BQL	5.0			
Chlorobenzene	BQL	5.0			
Chloroethane	BQL	10			
Chloroform	BQL	5.0			
Chloromethane	BQL	10			
Dibromochloromethane	BQL	5.0			
1,1-Dichloroethane	BQL	5.0			
1,2-Dichloroethane	BQL	5.0			
1,1-Dichloroethene	BQL	5.0			
cis-1,2-Dichloroethene	BQL	5.0			
trans-1,2-Dichloroethene	BQL	5.0			
1,2-Dichloropropane	BQL	5.0			
cis-1,3-Dichloropropene	BQL	5.0			
trans-1,3-Dichloropropene	BQL	5.0			
Ethylbenzene	126	5.0			
2-Hexanone	BQL	50			
4-Methyl-2-pentanone	BQL	50			
Methylene chloride	BQL	10			
Styrene	BQL	5.0			
1,1,2,2-Tetrachloroethane	BQL	5.0			
Tetrachloroethene	BQL	5.0			
Toluene	183	5.0			
1,1,1-Trichloroethane	BQL	5.0			
1,1,2-Trichloroethane	BQL	5.0			
Trichloroethene	BQL	5.0			
Vinyl acetate	BQL	50			
Vinyl chloride	BQL	10			

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted: 08/12/2004
Date Analyzed: 08/17/2004

ACL Sample #: 218528 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	12500
4-Chloro-3-methylphenol	BQL	5000
2-Chlorophenol	BQL	2500
2,4-Dichlorophenol	BQL	2500
2,4-Dimethylphenol	BQL	2500
4,6-Dinitro-2-methylphenol	BQL	12500
2,4-Dinitrophenol	BQL	12500
2-Methylphenol	BQL	2500
4-Methylphenol	BQL	2500
2-Nitrophenol	BQL	2500
4-Nitrophenol	BQL	12500
Pentachlorophenol	BQL	12500
Phenol	BQL	2500
2,4,5-Trichlorophenol	BQL	2500
2,4,6-Trichlorophenol	BQL	2500

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted: 08/12/2004
Date Analyzed: 08/17/2004

ACL Sample #: 218528 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	2500	Hexachlorobutadiene	BQL	2500
Acenaphthylene	BQL	2500	Hexachlorocyclopentadiene	BQL	2500
Anthracene	BQL	2500	Hexachloroethane	BQL	2500
Benzo(a)anthracene	BQL	2500	Indeno(1,2,3-cd)pyrene	BQL	2500
Benzo(a)pyrene	BQL	2500	Isophorone	BQL	2500
Benzo(b)fluoranthene	BQL	2500	2-Methylnaphthalene	55600	2500
Benzo(g,h,i)perylene	BQL	2500	Naphthalene	35300	2500
Benzo(k)fluoranthene	BQL	2500	2-Nitroaniline	BQL	12500
Benzyl alcohol	BQL	5000	3-Nitroaniline	BQL	12500
Bis(2-chloroethoxy)methane	BQL	2500	4-Nitroaniline	BQL	12500
Bis(2-chloroethyl)ether	BQL	2500	Nitrobenzene	BQL	2500
Bis(2-chloroisopropyl)ether	BQL	2500	N-Nitroso-di-n-propylamine	BQL	2500
Bis(2-ethylhexyl)phthalate	BQL	2500	N-Nitrosodiphenylamine	BQL	2500
4-Bromophenyl phenyl ether	BQL	2500	Phenanthrene	65AJ	2500
Butyl benzyl phthalate	BQL	2500	Pyrene	BQL	2500
4-Chloroaniline	BQL	5000	1,2,4-Trichlorobenzene	BQL	2500
2-Chloronaphthalene	BQL	2500			
4-Chlorophenyl phenyl ether	BQL	2500			
Chrysene	BQL	2500			
Di-n-butyl phthalate	BQL	2500			
Di-n-octyl phthalate	BQL	2500			
Dibenz(a,h)anthracene	BQL	2500			
Dibenzofuran	BQL	2500			
1,2-Dichlorobenzene	BQL	2500			
1,3-Dichlorobenzene	BQL	2500			
1,4-Dichlorobenzene	BQL	2500			
3,3'-Dichlorobenzidine	BQL	5000			
Diethyl phthalate	BQL	2500			
Dimethyl phthalate	BQL	2500			
2,4-Dinitrotoluene	BQL	2500			
2,6-Dinitrotoluene	BQL	2500			
Fluoranthene	BQL	2500			
Fluorene	BQL	2500			
Hexachlorobenzene	BQL	2500			

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1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218528 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218528 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	5.0
Arochlor-1221	BQL	5.0
Arochlor-1232	BQL	5.0
Arochlor-1242	BQL	5.0
Arochlor-1248	BQL	5.0
Arochlor-1254	BQL	5.0
Arochlor-1260	BQL	5.0

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Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218528 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-09

Matrix: Liquid
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/13/2004
Analyst: SW/JR

ACL Sample #: 218528 **Units:** mg/L

Analyte	Result	PQL
Aluminum	BQL	10.0
Antimony	BQL	2.50
Arsenic	BQL	2.50
Barium	BQL	5.00
Beryllium	BQL	5.00
Cadmium	BQL	1.25
Calcium	BQL	12.5
Chromium	BQL	2.50
Cobalt	BQL	2.50
Copper	4.06	2.50
Iron	17.8	5.00
Lead	BQL	2.50
Magnesium	BQL	12.5
Manganese	BQL	2.50
Mercury	BQL	0.05
Nickel	BQL	2.50
Potassium	BQL	12.5
Selenium	BQL	2.50
Silver	BQL	5.00
Sodium	BQL	12.5
Thallium	BQL	5.00
Vanadium	BQL	2.50
Zinc	3.81	2.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-09	218528	Ash (SM2540G)	Liquid	0.2	0.1	%	08/18/2004
WG-09	218528	Heat/Comb (D-240)	Liquid	[redacted]	1000	BTU/lb	08/14/2004
WG-09	218528	Flashpoint (1010)	Liquid	[redacted]	60-200	°F	08/13/2004
WG-09	218528	Percent Water (KF)	Liquid	BQL	0.1	%	08/23/2004
WG-09	218528	pH (9040B)	Liquid	6.0	0-14	pH Units	08/02/2004
WG-09	218528	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-09	218528	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-09	218528	TOX (Cl) (9020B)	Liquid	24	10	mg/L	08/24/2004
WG-09	218528	T. Solids (SM2540G)	Liquid	42.7	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813-684-9177

Company Address: 221 Hobbs St. Ste. 108 Tampa, FL 33619

Site Location: JLW Drum

Project Manager: Greg Garrison

Client Project: (#) 104120

(Name) JLW Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

See Attached For Each Waste Group

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-01	3	X				X								7/28	9:30	
WG-02															945	
WG-03															18:00	
WG-04															10:30	
WG-05															10:00	
WG-06															11:30	
WG-06B															13:00	
WG-07															12:00	
WG-08														7/29	12:30	
WG-09															13:15	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4.0 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD				
Relinquished by Sampler: Greg Garrison	WRS	Date 7/29/04	Time 18:30	Received by: John Lee
Relinquished by: John Lee	WRS	Date 7/30/04	Time 10:45	Received by: Nayesh Belu
Relinquished by:		Date	Time	Received by Laboratory: N. Williams 11:08am 7/30

Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☒ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: NON-HAZARDOUS LIQUID

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Non-Hazardous, Non-Regulated Organic Liquids

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
☐ Bulk Solid (Ton >2000 lbs/yd³)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)
Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Line Items I and J (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor ~~None~~ Petroleum

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ <2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☒ 140-199°F ☐ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Non-Hazardous Liquid 100 to % to %

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** Totals ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

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Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company U.S. EPA Title On-Scene Coordinator Date 5/4/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

(the Item ~~[illegible]~~ I and J (3 of 4)

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-10 Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

BTU 7,940
pH 5.0

Attention: Mr. Greg Garrison

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

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If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	5.00	Xylenes (Total)	BQL	0.25
Benzene	BQL	0.25			
Bromodichloromethane	BQL	0.25			
Bromoform	BQL	0.25			
Bromomethane	BQL	0.50			
2-Butanone	BQL	5.00			
Carbon disulfide	BQL	0.25			
Carbon tetrachloride	BQL	0.25			
Chlorobenzene	BQL	0.25			
Chloroethane	BQL	0.50			
Chloroform	BQL	0.25			
Chloromethane	BQL	0.50			
Dibromochloromethane	BQL	0.25			
1,1-Dichloroethane	BQL	0.25			
1,2-Dichloroethane	BQL	0.25			
1,1-Dichloroethene	BQL	0.25			
cis-1,2-Dichloroethene	BQL	0.25			
trans-1,2-Dichloroethene	BQL	0.25			
1,2-Dichloropropane	BQL	0.25			
cis-1,3-Dichloropropene	BQL	0.25			
trans-1,3-Dichloropropene	BQL	0.25			
Ethylbenzene	BQL	0.25			
2-Hexanone	BQL	2.50			
4-Methyl-2-pentanone	BQL	2.50			
Methylene chloride	BQL	0.50			
Styrene	BQL	0.25			
1,1,2,2-Tetrachloroethane	BQL	0.25			
Tetrachloroethene	BQL	0.25			
Toluene	BQL	0.25			
1,1,1-Trichloroethane	BQL	0.25			
1,1,2-Trichloroethane	BQL	0.25			
Trichloroethene	BQL	0.25			
Vinyl acetate	BQL	2.50			
Vinyl chloride	BQL	0.50			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	10
4-Chloro-3-methylphenol	BQL	4.0
2-Chlorophenol	BQL	2.0
2,4-Dichlorophenol	BQL	2.0
2,4-Dimethylphenol	BQL	2.0
4,6-Dinitro-2-methylphenol	BQL	10
2,4-Dinitrophenol	BQL	10
2-Methylphenol	BQL	2.0
4-Methylphenol	BQL	2.0
2-Nitrophenol	BQL	2.0
4-Nitrophenol	BQL	10
Pentachlorophenol	BQL	10
Phenol	BQL	2.0
2,4,5-Trichlorophenol	BQL	2.0
2,4,6-Trichlorophenol	BQL	2.0

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Client: WRS Infrastructure & Env.
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/05/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	2.0	Hexachlorobutadiene	BQL	2.0
Acenaphthylene	BQL	2.0	Hexachlorocyclopentadiene	BQL	2.0
Anthracene	BQL	2.0	Hexachloroethane	BQL	2.0
Benzo(a)anthracene	BQL	2.0	Indeno(1,2,3-cd)pyrene	BQL	2.0
Benzo(a)pyrene	BQL	2.0	Isophorone	BQL	2.0
Benzo(b)fluoranthene	BQL	2.0	2-Methylnaphthalene	BQL	2.0
Benzo(g,h,i)perylene	BQL	2.0	Naphthalene	BQL	2.0
Benzo(k)fluoranthene	BQL	2.0	2-Nitroaniline	BQL	10
Benzyl alcohol	BQL	4.0	3-Nitroaniline	BQL	10
Bis(2-chloroethoxy)methane	BQL	2.0	4-Nitroaniline	BQL	10
Bis(2-chloroethyl)ether	BQL	2.0	Nitrobenzene	BQL	2.0
Bis(2-chloroisopropyl)ether	BQL	2.0	N-Nitroso-di-n-propylamine	BQL	2.0
Bis(2-ethylhexyl)phthalate	BQL	2.0	N-Nitrosodiphenylamine	BQL	2.0
4-Bromophenyl phenyl ether	BQL	2.0	Phenanthrene	BQL	2.0
Butyl benzyl phthalate	BQL	2.0	Pyrene	BQL	2.0
4-Chloroaniline	BQL	4.0	1,2,4-Trichlorobenzene	BQL	2.0
2-Chloronaphthalene	BQL	2.0			
4-Chlorophenyl phenyl ether	BQL	2.0			
Chrysene	BQL	2.0			
Di-n-butyl phthalate	BQL	2.0			
Di-n-octyl phthalate	BQL	2.0			
Dibenz(a,h)anthracene	BQL	2.0			
Dibenzofuran	BQL	2.0			
1,2-Dichlorobenzene	BQL	2.0			
1,3-Dichlorobenzene	BQL	2.0			
1,4-Dichlorobenzene	BQL	2.0			
3,3'-Dichlorobenzidine	BQL	4.0			
Diethyl phthalate	BQL	2.0			
Dimethyl phthalate	BQL	2.0			
2,4-Dinitrotoluene	BQL	2.0			
2,6-Dinitrotoluene	BQL	2.0			
Fluoranthene	BQL	2.0			
Fluorene	BQL	2.0			
Hexachlorobenzene	BQL	2.0			

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Client: WRS Infrastructure & Env.
1835 E. Park Place
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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.10
a-BHC	BQL	0.10
b-BHC	BQL	0.10
d-BHC	BQL	0.10
g-BHC	BQL	0.10
Chlordane	BQL	0.20
4,4'-DDD	BQL	0.10
4,4'-DDE	BQL	0.10
4,4'-DDT	BQL	0.10
Dieldrin	BQL	0.10
Endosulfan I	BQL	0.10
Endosulfan II	BQL	0.10
Endosulfan sulfate	BQL	0.10
Endrin	BQL	0.10
Endrin aldehyde	BQL	0.10
Heptachlor	BQL	0.10
Heptachlor epoxide	BQL	0.10
Methoxychlor	BQL	0.10
Toxaphene	BQL	2.0

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1835 E. Park Place
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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-10

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004

ACL Sample #: 218529 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	0.93	0.20
Antimony	0.06	0.05
Arsenic	BQL	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	4.75	0.25
Chromium	BQL	0.05
Cobalt	BQL	0.05
Copper	0.18	0.05
Iron	6.63	0.10
Lead	BQL	0.05
Magnesium	1.23	0.25
Manganese	0.12	0.05
Mercury	BQL	0.005
Nickel	BQL	0.05
Potassium	2.25	0.25
Selenium	0.07	0.05
Silver	BQL	0.10
Sodium	21.5	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	0.83	0.05

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-10	218529	Ash (SM2540G)	Liquid	0.3	0.1	%	08/18/2004
WG-10	218529	Heat/Comb (D-240)	Liquid	7940	1000	BTU/lb	08/14/2004
WG-10	218529	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-10	218529	Percent Water (KF)	Liquid	0.2/>90*	0.1	%	08/23/2004
WG-10	218529	pH (9040B)	Liquid	5.0	0-14	pH Units	08/02/2004
WG-10	218529	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-10	218529	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-10	218529	TOX (Cl) (9020B)	Liquid	13	10	mg/L	08/24/2004
WG-10	218529	T. Solids (SM2540G)	Liquid	29.3	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 Tampa FL 33619

Site Location: Atlanta J&W Drum

Project Manager:

Client Project: (#) 104120

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	Sample in cooler. Added to C-O-C by ACL.
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	

Special Detection Limits: ug/L

Remarks: 7/28 — For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp.: 4-6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date: 7/29/04	Time: 18:30	Received by: Joh Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-13

Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Ash 65.2%
Water >90%
pH 6.0
BTU 3790

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

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If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	Xylenes (Total)	BQL	0.005
Benzene	BQL	0.005			
Bromodichloromethane	BQL	0.005			
Bromoform	BQL	0.005			
Bromomethane	BQL	0.010			
2-Butanone	BQL	0.100			
Carbon disulfide	BQL	0.005			
Carbon tetrachloride	BQL	0.005			
Chlorobenzene	BQL	0.005			
Chloroethane	BQL	0.010			
Chloroform	BQL	0.005			
Chloromethane	BQL	0.010			
Dibromochloromethane	BQL	0.005			
1,1-Dichloroethane	BQL	0.005			
1,2-Dichloroethane	BQL	0.005			
1,1-Dichloroethene	BQL	0.005			
cis-1,2-Dichloroethene	BQL	0.005			
trans-1,2-Dichloroethene	BQL	0.005			
1,2-Dichloropropane	BQL	0.005			
cis-1,3-Dichloropropene	BQL	0.005			
trans-1,3-Dichloropropene	BQL	0.005			
Ethylbenzene	BQL	0.005			
2-Hexanone	BQL	0.050			
4-Methyl-2-pentanone	BQL	0.050			
Methylene chloride	BQL	0.010			
Styrene	BQL	0.005			
1,1,2,2-Tetrachloroethane	BQL	0.005			
Tetrachloroethene	BQL	0.005			
Toluene	BQL	0.005			
1,1,1-Trichloroethane	BQL	0.005			
1,1,2-Trichloroethane	BQL	0.005			
Trichloroethene	BQL	0.005			
Vinyl acetate	BQL	0.050			
Vinyl chloride	BQL	0.010			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/06/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	BQL	1.0
4-Methylphenol	BQL	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/06/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	BQL	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	BQL	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	BQL	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.01
a-BHC	BQL	0.01
b-BHC	BQL	0.01
d-BHC	BQL	0.01
g-BHC	BQL	0.01
Chlordane	BQL	0.02
4,4'-DDD	BQL	0.01
4,4'-DDE	BQL	0.01
4,4'-DDT	BQL	0.01
Dieldrin	BQL	0.01
Endosulfan I	BQL	0.01
Endosulfan II	BQL	0.01
Endosulfan sulfate	BQL	0.01
Endrin	BQL	0.01
Endrin aldehyde	BQL	0.01
Heptachlor	BQL	0.01
Heptachlor epoxide	BQL	0.01
Methoxychlor	BQL	0.01
Toxaphene	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-13

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004

ACL Sample #: 218532 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	BQL	0.20
Antimony	1.08	0.05
Arsenic	BQL	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	28.8	0.25
Chromium	BQL	0.05
Cobalt	BQL	0.05
Copper	BQL	0.05
Iron	8.38	0.10
Lead	BQL	0.05
Magnesium	4.43	0.25
Manganese	0.15	0.05
Mercury	BQL	0.005
Nickel	0.14	0.05
Potassium	15.7	0.25
Selenium	BQL	0.05
Silver	BQL	0.10
Sodium	71.7	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	0.80	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-13	218532	Ash (SM2540G)	Liquid	[redacted]	0.5	%	08/18/2004
WG-13	218532	Heat/Comb (D-240)	Liquid	[redacted]	1000	BTU/lb	08/14/2004
WG-13	218532	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-13	218532	Percent Water (KF)	Liquid	[redacted]	0.1	%	08/23/2004
WG-13	218532	pH (9040B)	Liquid	6.0	0-14	pH Units	08/02/2004
WG-13	218532	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-13	218532	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-13	218532	TOX (Cl) (9020B)	Liquid	101	10	mg/L	08/24/2004
WG-13	218532	T. Solids (SM2540G)	Liquid	BQL	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: ~~813 684 9177~~

Company Address: 221 Hobbs Street Ste 108 TAMPA FL 33619

Site Location: Atlanta

J&W Drum

Project Manager:

Client Project (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	

Sample in cooler. Added to C-O-C by ACL. JG

~~Special Detection Limits~~ SWG 826

Remarks: 7/28 —

For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4-6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD		Date	Time	
	Relinquished by Sampler: WRS	7/29/04	18:30	Received by: Jon Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: Waybill # N. Williams 11:08 7/30

WASTE CHARACTERIZATION REPORT

Tracking #

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax. 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Hazardous Waste Aqueous Liquid

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street (Forsyth)

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Hazardous Waste [redacted] Liquid [redacted], n.o.s., (chromium), 9, NA 3082, PG III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes. Size

☐ Cubic Yard Boxes/Bags

☒ Drums

☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Line Item K (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☒ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ~~☒ 140-199°F~~ HB ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Chromium 1 to 10 % to %

Inert Liquid 90 to 99 % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D007

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Totals

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☐ Below ☒ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

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Ghe Item K (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent		Concentration	UHC?	Constituent		Concentration	UHC?
Selenium	☐ Yes	☐ No	0.31 mg/l		☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	
	☐ Yes	☐ No			☐ Yes	☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company Title Date U.S. EPA On-Scene Coordinator 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

(See Item K (3 of 4))

ACL

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-14

Liquid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Toluene 1.08
Chromium 150
Selenium 0.31
pH 5.5
TCLP Metals ?
Flash > 200 °F

Report Date: 8/25/2004

This report contains 11 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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P. O. Box 88610, Atlanta, GA 30356

Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: RP

ACL Sample #: 218533 **Units:** mg/L

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	1.00	Xylenes (Total)	BQL	0.05
Benzene	BQL	0.05			
Bromodichloromethane	BQL	0.05			
Bromoform	BQL	0.05			
Bromomethane	BQL	0.10			
2-Butanone	BQL	1.00			
Carbon disulfide	BQL	0.05			
Carbon tetrachloride	BQL	0.05			
Chlorobenzene	BQL	0.05			
Chloroethane	BQL	0.10			
Chloroform	BQL	0.05			
Chloromethane	BQL	0.10			
Dibromochloromethane	BQL	0.05			
1,1-Dichloroethane	BQL	0.05			
1,2-Dichloroethane	BQL	0.05			
1,1-Dichloroethene	BQL	0.05			
cis-1,2-Dichloroethene	BQL	0.05			
trans-1,2-Dichloroethene	BQL	0.05			
1,2-Dichloropropane	BQL	0.05			
cis-1,3-Dichloropropene	BQL	0.05			
trans-1,3-Dichloropropene	BQL	0.05			
Ethylbenzene	BQL	0.05			
2-Hexanone	BQL	0.50			
4-Methyl-2-pentanone	BQL	0.50			
Methylene chloride	BQL	0.10			
Styrene	BQL	0.05			
1,1,2,2-Tetrachloroethane	BQL	0.05			
Tetrachloroethene	BQL	0.05			
Toluene	[illegible]	0.05			
1,1,1-Trichloroethane	BQL	0.05			
1,1,2-Trichloroethane	BQL	0.05			
Trichloroethene	BQL	0.05			
Vinyl acetate	BQL	0.50			
Vinyl chloride	BQL	0.10			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/06/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	5.0
4-Chloro-3-methylphenol	BQL	2.0
2-Chlorophenol	BQL	1.0
2,4-Dichlorophenol	BQL	1.0
2,4-Dimethylphenol	BQL	1.0
4,6-Dinitro-2-methylphenol	BQL	5.0
2,4-Dinitrophenol	BQL	5.0
2-Methylphenol	BQL	1.0
4-Methylphenol	BQL	1.0
2-Nitrophenol	BQL	1.0
4-Nitrophenol	BQL	5.0
Pentachlorophenol	BQL	5.0
Phenol	BQL	1.0
2,4,5-Trichlorophenol	BQL	1.0
2,4,6-Trichlorophenol	BQL	1.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/06/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	1.0	Hexachlorobutadiene	BQL	1.0
Acenaphthylene	BQL	1.0	Hexachlorocyclopentadiene	BQL	1.0
Anthracene	BQL	1.0	Hexachloroethane	BQL	1.0
Benzo(a)anthracene	BQL	1.0	Indeno(1,2,3-cd)pyrene	BQL	1.0
Benzo(a)pyrene	BQL	1.0	Isophorone	BQL	1.0
Benzo(b)fluoranthene	BQL	1.0	2-Methylnaphthalene	BQL	1.0
Benzo(g,h,i)perylene	BQL	1.0	Naphthalene	BQL	1.0
Benzo(k)fluoranthene	BQL	1.0	2-Nitroaniline	BQL	5.0
Benzyl alcohol	BQL	2.0	3-Nitroaniline	BQL	5.0
Bis(2-chloroethoxy)methane	BQL	1.0	4-Nitroaniline	BQL	5.0
Bis(2-chloroethyl)ether	BQL	1.0	Nitrobenzene	BQL	1.0
Bis(2-chloroisopropyl)ether	BQL	1.0	N-Nitroso-di-n-propylamine	BQL	1.0
Bis(2-ethylhexyl)phthalate	BQL	1.0	N-Nitrosodiphenylamine	BQL	1.0
4-Bromophenyl phenyl ether	BQL	1.0	Phenanthrene	BQL	1.0
Butyl benzyl phthalate	BQL	1.0	Pyrene	BQL	1.0
4-Chloroaniline	BQL	2.0	1,2,4-Trichlorobenzene	BQL	1.0
2-Chloronaphthalene	BQL	1.0			
4-Chlorophenyl phenyl ether	BQL	1.0			
Chrysene	BQL	1.0			
Di-n-butyl phthalate	BQL	1.0			
Di-n-octyl phthalate	BQL	1.0			
Dibenz(a,h)anthracene	BQL	1.0			
Dibenzofuran	BQL	1.0			
1,2-Dichlorobenzene	BQL	1.0			
1,3-Dichlorobenzene	BQL	1.0			
1,4-Dichlorobenzene	BQL	1.0			
3,3'-Dichlorobenzidine	BQL	2.0			
Diethyl phthalate	BQL	1.0			
Dimethyl phthalate	BQL	1.0			
2,4-Dinitrotoluene	BQL	1.0			
2,6-Dinitrotoluene	BQL	1.0			
Fluoranthene	BQL	1.0			
Fluorene	BQL	1.0			
Hexachlorobenzene	BQL	1.0			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.05
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	1.0

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3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/14/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.10
Arochlor-1221	BQL	0.10
Arochlor-1232	BQL	0.10
Arochlor-1242	BQL	0.10
Arochlor-1248	BQL	0.10
Arochlor-1254	BQL	0.10
Arochlor-1260	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	0.40
2,4,5-TP (Silvex)	BQL	0.20

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Client: WRS Infrastructure & Env.
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Suite 115
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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-14

Matrix: Liquid
Date Sampled: 07/28/2004
Date Extracted:
Date Analyzed: 08/10/2004

ACL Sample #: 218533 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	630	0.20
Antimony	0.29	0.05
Arsenic	[redacted]	0.05
Barium	BQL	0.10
Beryllium	BQL	0.10
Cadmium	BQL	0.05
Calcium	18.8	0.25
Chromium	[redacted]	0.05
Cobalt	BQL	0.05
Copper	28.5	0.05
Iron	23.0	0.10
Lead	[redacted]	0.05
Magnesium	1.77	0.25
Manganese	0.31	0.05
Mercury	BQL	0.005
Nickel	[redacted]	0.05
Potassium	44.4	0.25
Selenium	[redacted]	0.05
Silver	BQL	0.10
Sodium	173	0.25
Thallium	BQL	0.10
Vanadium	BQL	0.05
Zinc	46.8	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-14	218533	Flashpoint (1010)	Liquid	> 200	60-200	°F	08/13/2004
WG-14	218533	Nitrate (N)(353.2)	Liquid	5.3	5.0	mg/L	08/06/2004
WG-14	218533	pH (9040B)	Liquid	5.5	0-14	pH Units	08/02/2004
WG-14	218533	Phosphorus (365.2)	Liquid	15.7	5.0	mg/L	08/03/2004
WG-14	218533	React. CN (Sect. 7.3.3.2)	Liquid	BQL	5.0	mg/L	08/04/2004
WG-14	218533	React. S (Sect. 7.3.4.2)	Liquid	BQL	5.0	mg/L	08/12/2004
WG-14	218533	Sulfate (9038)	Liquid	391	50	mg/L	08/04/2004
WG-14	218533	TOC (9060)	Liquid	785	20	mg/L	08/11/2004
WG-14	218533	T. Solids (SM2540G)	Liquid	BQL	0.5	%	08/18/2004

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 TAMPA FL 33619

Site Location: Atlanta

J&W Drum

Project Manager:

Client Project: (#) 104120

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	

Sample in cooler. Added to COC by ACL. JG

Special Detection Limits: ~~WG-26~~

Remarks: 7/28 — For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4.6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD

Relinquished by Sampler: WRS	Date 7/29/04	Time 18:30	Received by: Jack Lee
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30

Waybill #

WASTE CHARACTERIZATION REPORT

Tracking #

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-1033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-362-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☒ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: NON-HAZARDOUS SOLID

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4 – J&W Pallet and Drum

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC - 11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsic.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Non-Hazardous, Non-Regulated Solids

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size

☐ Cubic Yard Boxes/Bags

☒ Drums

☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

© EQ-The Environmental Quality Company

Line Item C (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor ~~None~~ Mild

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☒ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☒ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☒ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Non-Hazardous Solid ~~80~~ 99 to ~~100~~ 101 % to % 5-10% Sodium Hydroxide Solid

to % to % 1-3% Zinc

2-5% Aluminum Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** Totals ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

See Item L (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥ 10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8249, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company Title U.S. EPA On-Scene Coordinator Date 5/6/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator

Line Item L (3 of 4)

ACL

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-17

Solid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Zinc 131,000

Attention: Mr. Greg Garrison

TOC 307,000

Report Date: 8/25/2004

This report contains 16 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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P. O. Box 88610, Atlanta, GA 30356

Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218534 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	10.0	Xylenes (Total)	BQL	0.50
Benzene	BQL	0.50			
Bromodichloromethane	BQL	0.50			
Bromoform	BQL	0.50			
Bromomethane	BQL	1.00			
2-Butanone	BQL	10.0			
Carbon disulfide	BQL	0.50			
Carbon tetrachloride	BQL	0.50			
Chlorobenzene	BQL	0.50			
Chloroethane	BQL	1.00			
Chloroform	BQL	0.50			
Chloromethane	BQL	1.00			
Dibromochloromethane	BQL	0.50			
1,1-Dichloroethane	BQL	0.50			
1,2-Dichloroethane	BQL	0.50			
1,1-Dichloroethene	BQL	0.50			
cis-1,2-Dichloroethene	BQL	0.50			
trans-1,2-Dichloroethene	BQL	0.50			
1,2-Dichloropropane	BQL	0.50			
cis-1,3-Dichloropropene	BQL	0.50			
trans-1,3-Dichloropropene	BQL	0.50			
Ethylbenzene	BQL	0.50			
2-Hexanone	BQL	5.00			
4-Methyl-2-pentanone	BQL	5.00			
Methylene chloride	BQL	1.00			
Styrene	BQL	0.50			
1,1,2,2-Tetrachloroethane	BQL	0.50			
Tetrachloroethene	BQL	0.50			
Toluene	BQL	0.50			
1,1,1-Trichloroethane	BQL	0.50			
1,1,2-Trichloroethane	BQL	0.50			
Trichloroethene	BQL	0.50			
Vinyl acetate	BQL	5.00			
Vinyl chloride	BQL	1.00			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218534 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	500
4-Chloro-3-methylphenol	BQL	200
2-Chlorophenol	BQL	100
2,4-Dichlorophenol	BQL	100
2,4-Dimethylphenol	BQL	100
4,6-Dinitro-2-methylphenol	BQL	500
2,4-Dinitrophenol	BQL	500
2-Methylphenol	BQL	100
4-Methylphenol	BQL	100
2-Nitrophenol	BQL	100
4-Nitrophenol	BQL	500
Pentachlorophenol	BQL	500
Phenol	BQL	100
2,4,5-Trichlorophenol	BQL	100
2,4,6-Trichlorophenol	BQL	100

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218534 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	100	Hexachlorobutadiene	BQL	100
Acenaphthylene	BQL	100	Hexachlorocyclopentadiene	BQL	100
Anthracene	BQL	100	Hexachloroethane	BQL	100
Benzo(a)anthracene	BQL	100	Indeno(1,2,3-cd)pyrene	BQL	100
Benzo(a)pyrene	BQL	100	Isophorone	BQL	100
Benzo(b)fluoranthene	BQL	100	2-Methylnaphthalene	BQL	100
Benzo(g,h,i)perylene	BQL	100	Naphthalene	BQL	100
Benzo(k)fluoranthene	BQL	100	2-Nitroaniline	BQL	500
Benzyl alcohol	BQL	200	3-Nitroaniline	BQL	500
Bis(2-chloroethoxy)methane	BQL	100	4-Nitroaniline	BQL	500
Bis(2-chloroethyl)ether	BQL	100	Nitrobenzene	BQL	100
Bis(2-chloroisopropyl)ether	BQL	100	N-Nitroso-di-n-propylamine	BQL	100
Bis(2-ethylhexyl)phthalate	BQL	100	N-Nitrosodiphenylamine	BQL	100
4-Bromophenyl phenyl ether	BQL	100	Phenanthrene	BQL	100
Butyl benzyl phthalate	BQL	100	Pyrene	BQL	100
4-Chloroaniline	BQL	200	1,2,4-Trichlorobenzene	BQL	100
2-Chloronaphthalene	BQL	100			
4-Chlorophenyl phenyl ether	BQL	100			
Chrysene	BQL	100			
Di-n-butyl phthalate	BQL	100			
Di-n-octyl phthalate	BQL	100			
Dibenz(a,h)anthracene	BQL	100			
Dibenzofuran	BQL	100			
1,2-Dichlorobenzene	BQL	100			
1,3-Dichlorobenzene	BQL	100			
1,4-Dichlorobenzene	BQL	100			
3,3'-Dichlorobenzidine	BQL	200			
Diethyl phthalate	BQL	100			
Dimethyl phthalate	BQL	100			
2,4-Dinitrotoluene	BQL	100			
2,6-Dinitrotoluene	BQL	100			
Fluoranthene	BQL	100			
Fluorene	BQL	100			
Hexachlorobenzene	BQL	100			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218534 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218534 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218534 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218534 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	127	20.0
Antimony	BQL	5.00
Arsenic	BQL	5.00
Barium	[redacted]	10.0
Beryllium	BQL	10.0
Cadmium	BQL	2.50
Calcium	925	25.0
Chromium	BQL	5.00
Cobalt	BQL	5.00
Copper	13.4	5.00
Iron	1010	10.0
Lead	BQL	5.00
Magnesium	47.8	25.0
Manganese	BQL	5.00
Mercury	BQL	0.50
Nickel	BQL	5.00
Potassium	849	25.0
Selenium	BQL	5.00
Silver	BQL	10.0
Sodium	2030	25.0
Thallium	BQL	10.0
Vanadium	BQL	5.00
Zinc	[redacted]	5.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-17	218534	Ignitability (1010M)	Solids	> 200	60-200	°F	08/16/2004
WG-17	218534	Nitrate (N)(353.2)	Solids	BQL	10.0	mg/kg	08/06/2004
WG-17	218534	pH (9045C)	Solids	7.0	0-14	pH Units	08/03/2004
WG-17	218534	Phosphorus (365.2)	Solids	132	5.0	mg/kg	08/03/2004
WG-17	218534	React. CN (Sect. 7.3.3.2)	Solids	BQL	5.0	mg/kg	08/04/2004
WG-17	218534	React. S (Sect. 7.3.4.2)	Solids	BQL	5.0	mg/kg	08/12/2004
WG-17	218534	Sulfate (9038)	Solids	BQL	10000	mg/kg	08/16/2004
WG-17	218534	TOC (9060)	Solids	30,000	5000	mg/kg	08/22/2004
WG-17	218534	T. Solids (SM2540G)	Solids	70.5	0.5	%	08/06/2004

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Volatiles (1311/8260B)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218534 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL
Benzene	BQL	0.05
Carbon tetrachloride	BQL	0.05
Chlorobenzene	BQL	0.05
Chloroform	BQL	0.05
1,2-Dichloroethane	BQL	0.05
1,1-Dichloroethene	BQL	0.05
Methyl ethyl ketone	BQL	1.00
Tetrachloroethene	BQL	0.05
Trichloroethene	BQL	0.05
Vinyl chloride	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Semi-Volatiles (1311/8270C)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/19/2004

ACL Sample #: 218534 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
m & p-Cresol	BQL	0.10
o-Cresol	BQL	0.05
1,4-Dichlorobenzene	BQL	0.05
2,4-Dinitrotoluene	BQL	0.05
Hexachlorobenzene	BQL	0.05
Hexachlorobutadiene	BQL	0.05
Hexachloroethane	BQL	0.05
Nitrobenzene	BQL	0.05
Pentachlorophenol	BQL	0.25
Pyridine	BQL	0.10
2,4,5-Trichlorophenol	BQL	0.05
2,4,6-Trichlorophenol	BQL	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Pesticides (1311/8081A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/07/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218534 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Chlordane	BQL	0.003
Endrin	BQL	0.002
-Heptachlor	BQL	0.005
Heptachlor epoxide	BQL	0.005
Lindane	BQL	0.04
Methoxychlor	BQL	1.0
Toxaphene	BQL	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Herbicides (1311/8151A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218534 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.10

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ACL Project #: 45722
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Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-17

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218534 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 TAMPA FL 33619

Site Location: Atlanta

Project Manager: J&W Drum

Client Project (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	
~~WG-26~~																

Sample in cooler. Added to COC by ACL. JG

Special Detection Limits

Remarks: 7/28 — For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements

Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4-6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date: 7/29/04	Time: 18:30	Received by: John Lee
	Relinquished by	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

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Laboratory Report

ACL Project #: **45722**

Client Proj #: 104120 / J & W Drum / WG-18

Solid

NaOH ?

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Sodium 273,000

pH 12

Attention: Mr. Greg Garrison

Report Date: 8/25/2004

This report contains 16 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218535 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	10.0	Xylenes (Total)	BQL	0.50
Benzene	BQL	0.50			
Bromodichloromethane	BQL	0.50			
Bromoform	BQL	0.50			
Bromomethane	BQL	1.00			
2-Butanone	BQL	10.0			
Carbon disulfide	BQL	0.50			
Carbon tetrachloride	BQL	0.50			
Chlorobenzene	BQL	0.50			
Chloroethane	BQL	1.00			
Chloroform	BQL	0.50			
Chloromethane	BQL	1.00			
Dibromochloromethane	BQL	0.50			
1,1-Dichloroethane	BQL	0.50			
1,2-Dichloroethane	BQL	0.50			
1,1-Dichloroethene	BQL	0.50			
cis-1,2-Dichloroethene	BQL	0.50			
trans-1,2-Dichloroethene	BQL	0.50			
1,2-Dichloropropane	BQL	0.50			
cis-1,3-Dichloropropene	BQL	0.50			
trans-1,3-Dichloropropene	BQL	0.50			
Ethylbenzene	BQL	0.50			
2-Hexanone	BQL	5.00			
4-Methyl-2-pentanone	BQL	5.00			
Methylene chloride	BQL	1.00			
Styrene	BQL	0.50			
1,1,2,2-Tetrachloroethane	BQL	0.50			
Tetrachloroethene	BQL	0.50			
Toluene	BQL	0.50			
1,1,1-Trichloroethane	BQL	0.50			
1,1,2-Trichloroethane	BQL	0.50			
Trichloroethene	BQL	0.50			
Vinyl acetate	BQL	5.00			
Vinyl chloride	BQL	1.00			

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218535 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	25
4-Chloro-3-methylphenol	BQL	10
2-Chlorophenol	BQL	5.0
2,4-Dichlorophenol	BQL	5.0
2,4-Dimethylphenol	BQL	5.0
4,6-Dinitro-2-methylphenol	BQL	25
2,4-Dinitrophenol	BQL	25
2-Methylphenol	BQL	5.0
4-Methylphenol	BQL	5.0
2-Nitrophenol	BQL	5.0
4-Nitrophenol	BQL	25
Pentachlorophenol	BQL	25
Phenol	BQL	5.0
2,4,5-Trichlorophenol	BQL	5.0
2,4,6-Trichlorophenol	BQL	5.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218535 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	5.0	Hexachlorobutadiene	BQL	5.0
Acenaphthylene	BQL	5.0	Hexachlorocyclopentadiene	BQL	5.0
Anthracene	BQL	5.0	Hexachloroethane	BQL	5.0
Benzo(a)anthracene	BQL	5.0	Indeno(1,2,3-cd)pyrene	BQL	5.0
Benzo(a)pyrene	BQL	5.0	Isophorone	BQL	5.0
Benzo(b)fluoranthene	BQL	5.0	2-Methylnaphthalene	BQL	5.0
Benzo(g,h,i)perylene	BQL	5.0	Naphthalene	BQL	5.0
Benzo(k)fluoranthene	BQL	5.0	2-Nitroaniline	BQL	25
Benzyl alcohol	BQL	10	3-Nitroaniline	BQL	25
Bis(2-chloroethoxy)methane	BQL	5.0	4-Nitroaniline	BQL	25
Bis(2-chloroethyl)ether	BQL	5.0	Nitrobenzene	BQL	5.0
Bis(2-chloroisopropyl)ether	BQL	5.0	N-Nitroso-di-n-propylamine	BQL	5.0
Bis(2-ethylhexyl)phthalate	BQL	5.0	N-Nitrosodiphenylamine	BQL	5.0
4-Bromophenyl phenyl ether	BQL	5.0	Phenanthrene	BQL	5.0
Butyl benzyl phthalate	BQL	5.0	Pyrene	BQL	5.0
4-Chloroaniline	BQL	10	1,2,4-Trichlorobenzene	BQL	5.0
2-Chloronaphthalene	BQL	5.0			
4-Chlorophenyl phenyl ether	BQL	5.0			
Chrysene	BQL	5.0			
Di-n-butyl phthalate	BQL	5.0			
Di-n-octyl phthalate	BQL	5.0			
Dibenz(a,h)anthracene	BQL	5.0			
Dibenzofuran	BQL	5.0			
1,2-Dichlorobenzene	BQL	5.0			
1,3-Dichlorobenzene	BQL	5.0			
1,4-Dichlorobenzene	BQL	5.0			
3,3'-Dichlorobenzidine	BQL	10			
Diethyl phthalate	BQL	5.0			
Dimethyl phthalate	BQL	5.0			
2,4-Dinitrotoluene	BQL	5.0			
2,6-Dinitrotoluene	BQL	5.0			
Fluoranthene	BQL	5.0			
Fluorene	BQL	5.0			
Hexachlorobenzene	BQL	5.0			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218535 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218535 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218535 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218535 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	45.6	20.0
Antimony	BQL	5.00
Arsenic	BQL	5.00
Barium	BQL	10.0
Beryllium	BQL	10.0
Cadmium	BQL	2.50
Calcium	62.7	25.0
Chromium	BQL	5.00
Cobalt	BQL	5.00
Copper	BQL	5.00
Iron	538	10.0
Lead	BQL	5.00
Magnesium	16.6	25.0
Manganese	BQL	5.00
Mercury	BQL	0.50
Nickel	BQL	5.00
Potassium	88.5	25.0
Selenium	BQL	5.00
Silver	BQL	10.0
Sodium	[redacted]	25.0
Thallium	BQL	10.0
Vanadium	BQL	5.00
Zinc	BQL	5.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-18	218535	Ignitability (1010M)	Solids	> 200	60-200	°F	08/16/2004
WG-18	218535	pH (9045C)	Solids	12.0	0-14	pH Units	08/03/2004
WG-18	218535	React. CN (Sect. 7.3.3.2)	Solids	BQL	5.0	mg/kg	08/04/2004
WG-18	218535	React. S (Sect. 7.3.4.2)	Solids	BQL	5.0	mg/kg	08/12/2004
WG-18	218535	TOC (9060)	Solids	BQL	100	mg/kg	08/22/2004
WG-18	218535	T. Solids (SM2540G)	Solids	63.5	0.5	%	08/06/2004

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Volatiles (1311/8260B)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/04/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218535 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL
Benzene	BQL	0.05
Carbon tetrachloride	BQL	0.05
Chlorobenzene	BQL	0.05
Chloroform	BQL	0.05
1,2-Dichloroethane	BQL	0.05
1,1-Dichloroethene	BQL	0.05
Methyl ethyl ketone	BQL	1.00
Tetrachloroethene	BQL	0.05
Trichloroethene	BQL	0.05
Vinyl chloride	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Semi-Volatiles (1311/8270C)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/19/2004

ACL Sample #: 218535 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
m & p-Cresol	BQL	0.10
o-Cresol	BQL	0.05
1,4-Dichlorobenzene	BQL	0.05
2,4-Dinitrotoluene	BQL	0.05
Hexachlorobenzene	BQL	0.05
Hexachlorobutadiene	BQL	0.05
Hexachloroethane	BQL	0.05
Nitrobenzene	BQL	0.05
Pentachlorophenol	BQL	0.25
Pyridine	BQL	0.10
2,4,5-Trichlorophenol	BQL	0.05
2,4,6-Trichlorophenol	BQL	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Pesticides (1311/8081A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/07/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218535 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Chlordane	BQL	0.003
Endrin	BQL	0.002
Heptachlor	BQL	0.005
Heptachlor epoxide	BQL	0.005
Lindane	BQL	0.04
Methoxychlor	BQL	1.0
Toxaphene	BQL	0.05

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Herbicides (1311/8151A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218535 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.10

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-18

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218535 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 TAMPA FL 33619

Site Location: Atlanta J&W Drum

Project Manager:

Client Project: (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	Sample in cooler. Added to COC by ACL.
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	

Special Detection Limits: WG-26

Remarks: 7/28 — For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4-6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date 7/29/04	Time 18:30	Received by: John Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

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Laboratory Report

ACL Project #: 45722

Client Proj #: 104120 / J & W Drum / WG-19

Solid

Prepared For:

WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Aluminum 22,600
Manganese 331
Nickel 23.3
Vanadium 15.2
TOC 64,400

Report Date: 8/25/2004

This report contains 16 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

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ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218536 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	10.0	Xylenes (Total)	BQL	0.50
Benzene	BQL	0.50			
Bromodichloromethane	BQL	0.50			
Bromoform	BQL	0.50			
Bromomethane	BQL	1.00			
2-Butanone	BQL	10.0			
Carbon disulfide	BQL	0.50			
Carbon tetrachloride	BQL	0.50			
Chlorobenzene	BQL	0.50			
Chloroethane	BQL	1.00			
Chloroform	BQL	0.50			
Chloromethane	BQL	1.00			
Dibromochloromethane	BQL	0.50			
1,1-Dichloroethane	BQL	0.50			
1,2-Dichloroethane	BQL	0.50			
1,1-Dichloroethene	BQL	0.50			
cis-1,2-Dichloroethene	BQL	0.50			
trans-1,2-Dichloroethene	BQL	0.50			
1,2-Dichloropropane	BQL	0.50			
cis-1,3-Dichloropropene	BQL	0.50			
trans-1,3-Dichloropropene	BQL	0.50			
Ethylbenzene	BQL	0.50			
2-Hexanone	BQL	5.00			
4-Methyl-2-pentanone	BQL	5.00			
Methylene chloride	BQL	1.00			
Styrene	BQL	0.50			
1,1,2,2-Tetrachloroethane	BQL	0.50			
Tetrachloroethene	BQL	0.50			
Toluene	BQL	0.50			
1,1,1-Trichloroethane	BQL	0.50			
1,1,2-Trichloroethane	BQL	0.50			
Trichloroethene	BQL	0.50			
Vinyl acetate	BQL	5.00			
Vinyl chloride	BQL	1.00			

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www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218536 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	25
4-Chloro-3-methylphenol	BQL	10
2-Chlorophenol	BQL	5.0
2,4-Dichlorophenol	BQL	5.0
2,4-Dimethylphenol	BQL	5.0
4,6-Dinitro-2-methylphenol	BQL	25
2,4-Dinitrophenol	BQL	25
2-Methylphenol	BQL	5.0
4-Methylphenol	BQL	5.0
2-Nitrophenol	BQL	5.0
4-Nitrophenol	BQL	25
Pentachlorophenol	BQL	25
Phenol	BQL	5.0
2,4,5-Trichlorophenol	BQL	5.0
2,4,6-Trichlorophenol	BQL	5.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218536 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	5.0	Hexachlorobutadiene	BQL	5.0
Acenaphthylene	BQL	5.0	Hexachlorocyclopentadiene	BQL	5.0
Anthracene	BQL	5.0	Hexachloroethane	BQL	5.0
Benzo(a)anthracene	BQL	5.0	Indeno(1,2,3-cd)pyrene	BQL	5.0
Benzo(a)pyrene	BQL	5.0	Isophorone	BQL	5.0
Benzo(b)fluoranthene	BQL	5.0	2-Methylnaphthalene	BQL	5.0
Benzo(g,h,i)perylene	BQL	5.0	Naphthalene	BQL	5.0
Benzo(k)fluoranthene	BQL	5.0	2-Nitroaniline	BQL	25
Benzyl alcohol	BQL	10	3-Nitroaniline	BQL	25
Bis(2-chloroethoxy)methane	BQL	5.0	4-Nitroaniline	BQL	25
Bis(2-chloroethyl)ether	BQL	5.0	Nitrobenzene	BQL	5.0
Bis(2-chloroisopropyl)ether	BQL	5.0	N-Nitroso-di-n-propylamine	BQL	5.0
Bis(2-ethylhexyl)phthalate	BQL	5.0	N-Nitrosodiphenylamine	BQL	5.0
4-Bromophenyl phenyl ether	BQL	5.0	Phenanthrene	BQL	5.0
Butyl benzyl phthalate	BQL	5.0	Pyrene	BQL	5.0
4-Chloroaniline	BQL	10	1,2,4-Trichlorobenzene	BQL	5.0
2-Chloronaphthalene	BQL	5.0			
4-Chlorophenyl phenyl ether	BQL	5.0			
Chrysene	BQL	5.0			
Di-n-butyl phthalate	BQL	5.0			
Di-n-octyl phthalate	BQL	5.0			
Dibenz(a,h)anthracene	BQL	5.0			
Dibenzofuran	BQL	5.0			
1,2-Dichlorobenzene	BQL	5.0			
1,3-Dichlorobenzene	BQL	5.0			
1,4-Dichlorobenzene	BQL	5.0			
3,3'-Dichlorobenzidine	BQL	10			
Diethyl phthalate	BQL	5.0			
Dimethyl phthalate	BQL	5.0			
2,4-Dinitrotoluene	BQL	5.0			
2,6-Dinitrotoluene	BQL	5.0			
Fluoranthene	BQL	5.0			
Fluorene	BQL	5.0			
Hexachlorobenzene	BQL	5.0			

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Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218536 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/10/2004

ACL Sample #: 218536 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	1.0
Arochlor-1221	BQL	1.0
Arochlor-1232	BQL	1.0
Arochlor-1242	BQL	1.0
Arochlor-1248	BQL	1.0
Arochlor-1254	BQL	1.0
Arochlor-1260	BQL	1.0

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218536 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004
Analyst: SW/JR

ACL Sample #: 218536 **Units:** mg/kg

Analyte	Result	PQL
Aluminum	[redacted]	20.0
Antimony	BQL	5.00
Arsenic	BQL	5.00
Barium	60.6	10.0
Beryllium	BQL	10.0
Cadmium	BQL	2.50
Calcium	47500	25.0
Chromium	BQL	5.00
Cobalt	5.88	5.00
Copper	20.7	5.00
Iron	678	10.0
Lead	[redacted]	5.00
Magnesium	8700	25.0
Manganese	[redacted]	5.00
Mercury	BQL	0.50
Nickel	[redacted]	5.00
Potassium	2150	25.0
Selenium	[redacted]	5.00
Silver	BQL	10.0
Sodium	1500	25.0
Thallium	BQL	10.0
Vanadium	[redacted]	5.00
Zinc	31.5	5.00

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-19	218536	Ignitability (1010M)	Solid	> 200	60-200	°F	08/16/2004
WG-19	218536	pH (9045C)	Solid	7.0	0-14	pH Units	08/03/2004
WG-19	218536	React. CN (Sect. 7.3.3.2)	Solid	BQL	5.0	mg/kg	08/04/2004
WG-19	218536	React. S (Sect. 7.3.4.2)	Solid	BQL	5.0	mg/kg	08/12/2004
WG-19	218536	TOC (9060)	Solid	[redacted]	1000	mg/kg	08/22/2004
WG-19	218536	T. Solids (SM2540G)	Solid	99.2	0.5	%	08/06/2004

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/19/2004

Contact: Mr. Greg Garrison

TCLP Volatiles (1311/8260B)

Sample ID: WG-19

Matrix: Solids
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218536 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL
Benzene	BQL	0.05
Carbon tetrachloride	BQL	0.05
Chlorobenzene	BQL	0.05
Chloroform	BQL	0.05
1,2-Dichloroethane	BQL	0.05
1,1-Dichloroethene	BQL	0.05
Methyl ethyl ketone	BQL	1.00
Tetrachloroethene	BQL	0.05
Trichloroethene	BQL	0.05
Vinyl chloride	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Semi-Volatiles (1311/8270C)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/19/2004

ACL Sample #: 218536 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
m & p-Cresol	BQL	0.20
o-Cresol	BQL	0.10
1,4-Dichlorobenzene	BQL	0.10
2,4-Dinitrotoluene	BQL	0.10
Hexachlorobenzene	BQL	0.10
Hexachlorobutadiene	BQL	0.10
Hexachloroethane	BQL	0.10
Nitrobenzene	BQL	0.10
Pentachlorophenol	BQL	0.50
Pyridine	BQL	0.20
2,4,5-Trichlorophenol	BQL	0.10
2,4,6-Trichlorophenol	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Pesticides (1311/8081A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/07/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218536 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Chlordane	BQL	0.003
Endrin	BQL	0.002
Heptachlor	BQL	0.005
Heptachlor epoxide	BQL	0.005
Lindane	BQL	0.04
Methoxychlor	BQL	1.0
Toxaphene	BQL	0.05

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Herbicides (1311/8151A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218536 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.10

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ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-19

Matrix: Solid
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218536 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: ~~813 689 9177~~

Company Address: 221 Hobbs Street Ste 108 Tampa FL 33619

Site Location: Atlanta

Project Manager: J&W Drum

Client Project: (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	Sample in cooler. Added to C-O-C by ACL.
WG-19														7/29	14:15	
WG-20														7/29	14:30	
WG-25														7/29	15:00	

Special Detection Limits: ~~WG-26~~

Remarks: 7/28 — For Disposal Purposes

Special Reporting Requirements

Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp. 4-6 °C

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 DAY ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date 7/29/04	Time 18:30	Received by: Josh Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☒ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MI0 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MI0 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MI0 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Waste Flammable Sludge (Line Item M)

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4 - J&W Pallet and Drum

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsie.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name Waste Flammable Liquid, N.O.S. (Acetone, Xylene), 3, UN1993, PG II

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (**check all that apply**)

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
☐ Bulk Solid (Ton >2000 lbs/yd^3)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Line Item M

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor ~~None~~ KB Mild

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☐ Solid ☐ Dust/Powder ☐ Liquid ☒ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☒ 90-140°F ☐ 140-199°F ☐ >200°F

3.7) Does this waste contain? (check all that apply) ☐ None ☒ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Acetone 0.5 to 1.0 % ~~Toluene~~ KB Xylene 0.1 to 0.5 %

Sludge 85 to 99.4 98.5 to 99.9 to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☒ Yes ☐ No D001, ~~F003~~ KB

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☒ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" MUST be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☒ **Analysis*** Totals ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (If above)	Code		Regulatory Level TCLP (mg/l)	Concentration (If above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,5-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No

If yes, please list the constituents in Section 11.

Line Item M

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
Acetone	5%-10%	☒ Yes ☐ No			☐ Yes ☐ No
Toluene	1%5%	☒ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No
		☐ Yes ☐ No			☐ Yes ☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company U.S. EPA Title On-Scene Coordinator Date 5/6/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Line Item M

ACL

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Laboratory Report

ACL Project #: 45722

Client Proj #: 104120 / J & W Drum / WG-20

Sludge

Acetone 27.6
ETX (6.09, 0.73, 44.9)
Flash 124 °F

Prepared For:

WRS Infrastructure & Env
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Attention: Mr. Greg Garrison

Report Date: 8/25/2004

This report contains 16 pages.
(including this cover page and chain of custody)

John H. Andros
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

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ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value; sample received or analyzed beyond the accepted holding time; sample received at improper temperature;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Volatile Organics (5035/8260B) - TCL List

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/11/2004
Analyst: RP

ACL Sample #: 218537 **Units:** mg/kg

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	[redacted]	5.00	Xylenes (Total)	[redacted]	0.25
Benzene	BQL	0.25			
Bromodichloromethane	BQL	0.25			
Bromoform	BQL	0.25			
Bromomethane	BQL	0.50			
2-Butanone	BQL	5.00			
Carbon disulfide	BQL	0.25			
Carbon tetrachloride	BQL	0.25			
Chlorobenzene	BQL	0.25			
Chloroethane	BQL	0.50			
Chloroform	BQL	0.25			
Chloromethane	BQL	0.50			
Dibromochloromethane	BQL	0.25			
1,1-Dichloroethane	BQL	0.25			
1,2-Dichloroethane	BQL	0.25			
1,1-Dichloroethene	BQL	0.25			
cis-1,2-Dichloroethene	BQL	0.25			
trans-1,2-Dichloroethene	BQL	0.25			
1,2-Dichloropropane	BQL	0.25			
cis-1,3-Dichloropropene	BQL	0.25			
trans-1,3-Dichloropropene	BQL	0.25			
Ethylbenzene	[redacted]	0.25			
2-Hexanone	BQL	2.50			
4-Methyl-2-pentanone	BQL	2.50			
Methylene chloride	BQL	0.50			
Styrene	BQL	0.25			
1,1,2,2-Tetrachloroethane	BQL	0.25			
Tetrachloroethene	BQL	0.25			
Toluene	[redacted]	0.25			
1,1,1-Trichloroethane	BQL	0.25			
1,1,2-Trichloroethane	BQL	0.25			
Trichloroethene	BQL	0.25			
Vinyl acetate	BQL	2.50			
Vinyl chloride	BQL	0.50			

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Acid Extractables (3550B/8270C)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	250
4-Chloro-3-methylphenol	BQL	100
2-Chlorophenol	BQL	50
2,4-Dichlorophenol	BQL	50
2,4-Dimethylphenol	BQL	50
4,6-Dinitro-2-methylphenol	BQL	250
2,4-Dinitrophenol	BQL	250
2-Methylphenol	BQL	50
4-Methylphenol	BQL	50
2-Nitrophenol	BQL	50
4-Nitrophenol	BQL	250
Pentachlorophenol	BQL	250
Phenol	BQL	50
2,4,5-Trichlorophenol	BQL	50
2,4,6-Trichlorophenol	BQL	50

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Base/Neutral Extractables (3550B/8270C)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/03/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	50	Hexachlorobutadiene	BQL	50
Acenaphthylene	BQL	50	Hexachlorocyclopentadiene	BQL	50
Anthracene	BQL	50	Hexachloroethane	BQL	50
Benzo(a)anthracene	BQL	50	Indeno(1,2,3-cd)pyrene	BQL	50
Benzo(a)pyrene	BQL	50	Isophorone	BQL	50
Benzo(b)fluoranthene	BQL	50	2-Methylnaphthalene	BQL	50
Benzo(g,h,i)perylene	BQL	50	Naphthalene	BQL	50
Benzo(k)fluoranthene	BQL	50	2-Nitroaniline	BQL	250
Benzyl alcohol	BQL	100	3-Nitroaniline	BQL	250
Bis(2-chloroethoxy)methane	BQL	50	4-Nitroaniline	BQL	250
Bis(2-chloroethyl)ether	BQL	50	Nitrobenzene	BQL	50
Bis(2-chloroisopropyl)ether	BQL	50	N-Nitroso-di-n-propylamine	BQL	50
Bis(2-ethylhexyl)phthalate	BQL	50	N-Nitrosodiphenylamine	BQL	50
4-Bromophenyl phenyl ether	BQL	50	Phenanthrene	BQL	50
Butyl benzyl phthalate	BQL	50	Pyrene	BQL	50
4-Chloroaniline	BQL	100	1,2,4-Trichlorobenzene	BQL	50
2-Chloronaphthalene	BQL	50			
4-Chlorophenyl phenyl ether	BQL	50			
Chrysene	BQL	50			
Di-n-butyl phthalate	BQL	50			
Di-n-octyl phthalate	BQL	50			
Dibenz(a,h)anthracene	BQL	50			
Dibenzofuran	BQL	50			
1,2-Dichlorobenzene	BQL	50			
1,3-Dichlorobenzene	BQL	50			
1,4-Dichlorobenzene	BQL	50			
3,3'-Dichlorobenzidine	BQL	100			
Diethyl phthalate	BQL	50			
Dimethyl phthalate	BQL	50			
2,4-Dinitrotoluene	BQL	50			
2,6-Dinitrotoluene	BQL	50			
Fluoranthene	BQL	50			
Fluorene	BQL	50			
Hexachlorobenzene	BQL	50			

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Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Organochlorine Pesticides (3550B/8081A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Aldrin	BQL	0.50
a-BHC	BQL	0.50
b-BHC	BQL	0.50
d-BHC	BQL	0.50
g-BHC	BQL	0.50
Chlordane	BQL	1.0
4,4'-DDD	BQL	0.50
4,4'-DDE	BQL	0.50
4,4'-DDT	BQL	0.50
Dieldrin	BQL	0.50
Endosulfan I	BQL	0.50
Endosulfan II	BQL	0.50
Endosulfan sulfate	BQL	0.50
Endrin	BQL	0.50
Endrin aldehyde	BQL	0.50
Heptachlor	BQL	0.50
Heptachlor epoxide	BQL	0.50
Methoxychlor	BQL	0.50
Toxaphene	BQL	10

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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

PCBs (3550B/8082)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/09/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50

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Client: WRS Infrastructure & Env.
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Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

Chlorinated Herbicides (8151A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.5

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P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: WRS Infrastructure & Env.
1835 E. Park Place
Suite 115
Stone Mountain, GA 30087-0000

Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TAL Metals (6010B/7471A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted:
Date Analyzed: 08/09/2004

ACL Sample #: 218537 **Units:** mg/kg **Analyst:** SW/JR

Analyte	Result	PQL
Aluminum	13.6	2.00
Antimony	BQL	0.50
Arsenic	BQL	0.50
Barium	BQL	1.00
Beryllium	BQL	1.00
Cadmium	BQL	0.25
Calcium	26.3	2.50
Chromium	BQL	0.50
Cobalt	BQL	0.50
Copper	BQL	0.50
Iron	11.2	1.00
Lead	BQL	0.50
Magnesium	5.31	2.50
Manganese	BQL	0.50
Mercury	BQL	0.05
Nickel	BQL	0.50
Potassium	8.12	2.50
Selenium	BQL	0.50
Silver	BQL	1.00
Sodium	3360	2.50
Thallium	BQL	1.00
Vanadium	BQL	0.50
Zinc	BQL	0.50

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Contact: Mr. Greg Garrison

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
WG-20	218537	Ash (SM2540G)	Sludge	23.3	0.5	%	08/18/2004
WG-20	218537	Heat/Comb (D-240)	Sludge	BQL	1000	BTU/lb	08/14/2004
WG-20	218537	Ignitability (1010M)	Sludge	124	60-200	°F	08/16/2004
WG-20	218537	pH (9045C)	Sludge	7.0	0-14	pH Units	08/02/2004
WG-20	218537	React. CN (Sect. 7.3.3.2)	Sludge	BQL	5.0	mg/kg	08/04/2004
WG-20	218537	React. S (Sect. 7.3.4.2)	Sludge	BQL	5.0	mg/kg	08/12/2004
WG-20	218537	TOX (Cl) (9020B)	Sludge	715	10	mg/kg	08/24/2004
WG-20	218537	T. Solids (SM2540G)	Sludge	5.0	0.5	%	08/18/2004

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/19/2004

Contact: Mr. Greg Garrison

TCLP Volatiles (1311/8260B)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/12/2004

ACL Sample #: 218537 **Units:** mg/L **Analyst:** RP

Analyte	Result	PQL
Benzene	BQL	0.05
Carbon tetrachloride	BQL	0.05
Chlorobenzene	BQL	0.05
Chloroform	BQL	0.05
1,2-Dichloroethane	BQL	0.05
1,1-Dichloroethene	BQL	0.05
Methyl ethyl ketone	BQL	1.00
Tetrachloroethene	BQL	0.05
Trichloroethene	BQL	0.05
Vinyl chloride	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Semi-Volatiles (1311/8270C)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/19/2004

ACL Sample #: 218537 **Units:** mg/L **Analyst:** RB

Analyte	Result	PQL
m & p-Cresol	BQL	0.20
o-Cresol	BQL	0.10
1,4-Dichlorobenzene	BQL	0.10
2,4-Dinitrotoluene	BQL	0.10
Hexachlorobenzene	BQL	0.10
Hexachlorobutadiene	BQL	0.10
Hexachloroethane	BQL	0.10
Nitrobenzene	BQL	0.10
Pentachlorophenol	BQL	0.50
Pyridine	BQL	0.20
2,4,5-Trichlorophenol	BQL	0.10
2,4,6-Trichlorophenol	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Pesticides (1311/8081A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/07/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218537 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
Chlordane	BQL	0.003
Endrin	BQL	0.002
Heptachlor	BQL	0.005
Heptachlor epoxide	BQL	0.005
Lindane	BQL	0.04
Methoxychlor	BQL	1.0
Toxaphene	BQL	0.05

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Herbicides (1311/8151A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/09/2004
Date Analyzed: 08/13/2004

ACL Sample #: 218537 **Units:** mg/L **Analyst:** SS

Analyte	Result	PQL
2,4-D	BQL	1.0
2,4,5-TP (Silvex)	BQL	0.10

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Client Proj #: 104120 / J & W Drum
ACL Project #: 45722
Date Received: 07/30/2004
Date Reported: 08/25/2004

Contact: Mr. Greg Garrison

TCLP Metals (1311/6010B/7470A)

Sample ID: WG-20

Matrix: Sludge
Date Sampled: 07/29/2004
Date Extracted: 08/06/2004
Date Analyzed: 08/11/2004

ACL Sample #: 218537 **Units:** mg/L **Analyst:** SW/JR

Analyte	Result	PQL
Arsenic	BQL	0.10
Barium	BQL	2.00
Cadmium	BQL	0.10
Chromium	BQL	0.20
Lead	BQL	0.50
Mercury	BQL	0.002
Selenium	BQL	0.10
Silver	BQL	0.50

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: WRS

Phone #: 813 917 2542

Fax #: 813 684 9177

Company Address: 221 Hobbs Street Ste 108 Tampa FL 33619

Site Location: Atlanta

Project Manager: J&W Drum

Client Project: (#) 104720

(Name) J&W Drum

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Greg Garrison

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	Remarks
WG-10														7/28	17:30	
WG-11														7/28	11:00	
WG-12														7/28	16:00	
WG-13														7/28	16:30	
WG-14														7/28	15:30	
WG-17														7/29	13:00	
WG-18														7/29	14:00	Sample in cooler. Added to C-O-C by ACL.
WG-19														7/29	14:15	
WG-20														7/29	14:30	gg
WG-25														7/29	15:00	
~~WG-26~~														7/28	—	

Special Detection Limits

Remarks: For Disposal Purposes

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal 5 Day ☒

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 45722

Cooler Temp.: 4-6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ Low

CUSTODY RECORD	Relinquished by Sampler: WRS	Date: 7/29/04	Time: 18:30	Received by: Jack Lee
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by Laboratory: N. Williams 11:08 7/30 Waybill #

Tracking #

WASTE CHARACTERIZATION REPORT

☐ *I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☒ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, Fl. 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: PCB BALLAST

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Buerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division

EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environment

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsic.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name ~~Hazardous Waste Solid~~ Environmentally hazardous substances, solid, n.o.s., (PCB Ballasts), 9, NA 3077, PG III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd³ < 2000 lbs/yd³)

☐ Bulk Solid (Ton >2000 lbs/yd³)

☐ Bulk Liquids (Gallon)

☐ Totes, Size

☐ Cubic Yard Boxes/Bags

☒ Drums

☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

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Gm Item N (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Varies 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☒ Solid ☐ Dust/Powder ~~☒ Liquid~~ KS ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)**

☐ **None** ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines
☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard
☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates
☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

PCB Ballast 100% to % to %

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☒ **Generator Knowledge** ~~☒ **Analysis***~~ KS ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ~~☒ Above~~ KS	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

Cite Item N (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☐ None ☐ 0-5 ppm ☒ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?	Constituent	Concentration	UHC?
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	
	☐ Yes ☐ No			☐ Yes ☐ No	

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company Title Date U.S. EPA On-Scene Coordinator 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Cine Item N (3 of 4)

Tracking #

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-375-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-3463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☒ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: MOSQUITO LARVICIDE GRANULES

Section 1 – Generator & Customer Information

SIC/NAICS*

Generator EPA ID # GAD984310797

Generator US EPA Region 4

Facility Address 1121 Allene Avenue

City Atlanta State GA Zip 30310

County Fulton

Mailing Address AFC -11th Floor, 61 Forsyth Street

City Atlanta State GA Zip 30303

Generator Contact Karen Huerki

Title OSC

Phone 404 562-8747 Fax 404 562-8699

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division EQ Customer No. 1719

Invoicing Company WRS Infrastructure and Environmental

Address 5555 Oakbrook Parkway

City Norcross State GA Zip 30093

Country USA

Invoicing Contact Michael Ingle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Technical Contact Michael Engle

Phone 770 446-0002, ext. 225 Fax 770 446-6999

Mobile 404 328-5454 Pager

E-mail mingle@wrsic.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency
☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name ~~Non-Hazardous, Non-Regulated~~ Waste Organophosphorus pesticides, solid, toxic, 6.1, UN 2783, PG III

2.3) Is this waste surcharge exempt? ☐ Yes ☒ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**
☐ Bulk Solid (Yd³ < 2000 lbs/yd³)
☐ Bulk Solid (Ton >2000 lbs/yd³)
☐ Bulk Liquids (Gallon)
☐ Totes, Size
☐ Cubic Yard Boxes/Bags
☒ Drums
☐ Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs/cubic yard. If waste density is greater than 2,000 lbs/cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Line Item 0 (1 of 4)

Section 3 – Physical Characteristics

3.1) Color Brown / Gray 3.2) Odor ~~Mercaptan Odor~~ Pesticide Odor

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70°F: ☒ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

3.7) Does this waste contain? **(check all that apply)** ☒ None ☐ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Dioxins ☐ Furans ☐ Biohazard
☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates
☐ Asbestos – non-friable ☐ Asbestos – friable

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Mosquito Larvicide Granules ~~99~~ to 100 % ~~[illegible]~~ Product Bag 0-1%

to % to %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).
Remediation Activities

Section 5 – Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

5.3) Do any State Waste Codes apply? ☐ Yes ☒ No

5.4) Is this waste intended for wastewater treatment? ☐ Yes* ☒ No

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☒ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☐ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☒ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☒ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☒ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☒ **Generator Knowledge** ☐ **Analysis*** ☐ **MSDS*** ***Please attach a copy.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above	D024	m-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoromethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
D013	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☒ Below ☐ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

Line Item 0 (2 of 4)

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☒ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2, please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? Percent or ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) Chlorine (%) Water (%) Solids (%)
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent			Concentration	UHC?	Constituent			Concentration	UHC?
	☐ Yes	☐ No				☐ Yes	☐ No		
Temephos	☐ Yes	☐ No	1 %			☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		
	☐ Yes	☐ No				☐ Yes	☐ No		

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature Karen Buerki Printed Name Karen Buerki

Company Title Date U.S. EPA On-Scene Coordinator 5/5/05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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Line Item 0 (3 of 4)

PAN Pesticides Database - Pesticide Products

Home > Pest Control Product Search Help | Feedback

Product Name: Abate 1 coated granules

Note: See Working with the Information on this Page section below for important notes about this data.

Product ID	Identifying information, including U.S. EPA registration number, product registration status, formulation and warning label, as well as links to sources of product labels and MSDS information.
Toxicity	Summary of the toxicity properties of each active ingredient and the percent of each active ingredient in the product.
Uses	Approved uses for the product by general use type, pest, and crop or location.
Registration	Product registration history, including initial date registered, date cancelled (if applicable), and date registration was transferred (if applicable).
Company	Name, address, and identifying number of the company that registered the product. Name and address of the agent, if applicable.
Distributor Names	Complete list of names under which this product is sold. Often a company will register a single product and then sell the same product under many different brand names. The 'Distributor Name' list is a complete list of these names.

Product Identification for Abate 1 coated granules

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Basic Identification Information About This Product

MSDS and Product Label	Select Source
U.S. EPA Product Reg No	279-2881
Product Registration Status	Cancelled
Formulation	Granular
Acute Hazard Warning Label	3 Caution
Restricted Use Product	No
PAN Bad Actor Product:	Yes
No. of names this product is sold under	1 (See bottom of page for complete list of products)

Toxicity for Abate 1 coated granules

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Summary Toxicity Information for the Active Ingredients in this Product

For detailed chemical information click on the chemical names below

Active Ingredients Chemical Name	Percent	PAN Bad Actor Chemical [1]	Acute Toxicity [2]	Carcinogen	Cholinesterase Inhibitor	Developmental or Reproductive Toxin	Endocrine Disruptor	Acute Aquatic Toxicity
Temephos	1.00 %		Not Acutely Toxic	Unclassifiable				

Indicates high toxicity in the given toxicological category.

Indicates no available weight-of-the-evidence assessment. For additional information on toxicity from scientific journals or registration documents, see the "Additional Resources for Toxicity " section of the chemical detail page for each active ingredient.

1. PAN Bad Actors are chemicals that are one or more of the following: highly acutely toxic, cholinesterase inhibitor, known/probable carcinogen, known groundwater pollutant or known reproductive or developmental toxicant. NOTE! Because there are no authoritative lists of Endocrine Disrupting (ED) chemicals, EDs are not yet considered PAN Bad Actor chemicals.

2. The acute toxicity reported here is for the pure active ingredient only and may not reflect the acute toxicity of individual pesticide products. The acute toxicity of this product can be found in the Product ID section of this page, the Acute Hazard Warning Label.

Other Ingredients in this Product

By U.S. law, only active ingredients (AIs) are reported. In addition to active ingredients, pesticide products may contain one or more "inert" ingredients. Many "inert" ingredients in current use have known adverse human and environmental effects.

U.S. EPA statement on inerts U.S. EPA list of inerts NCAP Inerts Report (pdf)

Historic Uses in the U.S. for Abate 1 coated granules

Top

Note! This product is now **cancelled**, when it was registered it was used for the following:

Uses

Insecticide , Miticide

Pests

Midges (larvae) , Mosquitoes (larvae)

Crops and Locations

Lakes (water treatment) , Ponds (shallow) (water treatment) , Standing water (high organic content) (water treatment) , Standing water , Swamps (water treatment) , Marshes (water treatment) , Pools (woodland) (water treatment) , Tidal water

U.S. Product Registration History for Abate 1 coated granules

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U.S. State Registration Searches

U.S. EPA Product Reg No: 279-2881

Product Registration Status: Cancelled

Approval Date: Mar 29, 1972

Cancellation Date: Jul 1, 1987

Cancel/Transfer Reason: Generic data exempti

Company and Agent Information for Abate 1 coated granules

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Manufacturer	Agent	Distributor
Fmc corp agricultural products group 1735 market st Philadelphia, PA 19103 Phone: 2152996753 Company Number: 000279	No Agent, See Company Info.	No Additional Distributor, See Company Info.

Distributor Names for Abate 1 coated granules

Top

Product names	Distributor	Product Type	Approval Date	Cancellation Date
Abate 1 coated granules	Fmc corp agricultural products group	Parent Product	Mar 29, 1972	Jul 1, 1987

Working with the Information on this Page

Click on underlined terms for definitions or go to the Pesticide Tutorial overview page.

Any underlined term with a book icon has additional information.

To print this page, choose **Print**. To export this data, choose **Save As** 'HTML Source' and open it in Excel or equivalent program.

Citation: S. Orme and S. Kegley, *PAN Pesticide Database*, Pesticide Action Network, North America (San Francisco, CA. 2004) http www.pesticideinfo.org.

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PAN Pesticides Database - Chemicals

Home > Chemical Search Help | Feedback

Temephos - Identification, toxicity, use, water pollution potential, ecological toxicity and regulatory information

Note: See Working with the Information on this Page section below for important notes about this data.

Chemical ID	Identifying information, including synonyms, ID numbers, use type, chemical classification, a link to a list of all products containing this chemical and a list of the top crops this pesticide is used on in California.
Poisoning Symptoms	Signs and symptoms of poisoning, first aid, and links to treatment information for this chemical.
Toxicity	Toxicity to humans, including carcinogenicity, reproductive and developmental toxicity, neurotoxicity, and acute toxicity.
Regulatory	Links to world-wide registration status as well as regulatory information for the U.S. and California.
Water	Water quality standards and physical properties affecting water contamination potential.
Ecotoxicity	Toxicity to aquatic organisms.
Related Chems	List of chemicals in the same family, including breakdown products, salts, esters, isomers, and other derivatives.

Chemical Identification and Use for Temephos

Top

Basic Identification Information About This Chemical

Chemical Name:	Temephos
CAS Number:	3383-96-8
U.S. EPA PC Code:	059001
CA DPR Chem Code:	1
Molecular Weight:	466.5000
Use Type:	Insecticide
Chem Class:	Organophosphorus

View Related Chemicals

Additional Resources About This Chemical Class and Use Type

See the Global Pesticide Resources page for many additional links.

Other Names for this Chemical

About Chemical Synonyms

00001 (CA DPR Chem Code) , 059001 (US EPA PC Code) , 1 (CA DPR Chem Code) , 3383-96-8 (CAS Number) , 3383968 , 3383968 (CAS Number) ,

Abaphos , Abate , Abathion , Biothion , Difenphos (Abate) , ENT-27165 , O,O'-(Thiodi-4,1-phenylene) bis(O,O-dimethyl phosphorothioate , O,O,O',O'-Tetramethyl O,O'-thiodi-p-phenylene phosphorothioate , Phosphorothioic acid, O,O'-(thiodi-4,1-phenylene) O,O,O',O'-tetramethyl ester , Temefos , Temephos , Temephos (ANSI) , Tetrafenphos

Products Containing This Chemical

Current and historic U.S. registered products

View U.S. Products ◉ All Products (60 Total) ○ Currently Registered Products (20 Total)

Signs and Symptoms of Temephos Poisoning

Top

NOTE! There may be other diseases and chemicals that have similar symptoms.

If you have a poisoning emergency in the United States call 1-800-222-1222.
If the victim has collapsed or is unconscious, call 911.

Temephos is a Organophosphorus compound.

Report a Poisoning

Find Products Containing this Chemical

Symptoms of Poisoning with Organophosphorus Compounds

- Excessive salivation, sweating, rhinorrhea and tearing.
- Muscle twitching, weakness, tremor, incoordination.
- Headache, dizziness, nausea, vomiting, abdominal cramps, diarrhea.
- Respiratory depression, tightness in chest, wheezing, productive cough, fluid in lungs.
- Pin-point pupils, sometimes with blurred or dark vision.
- Severe cases: seizures, incontinence, respiratory depression, loss of consciousness.
- Cholinesterase inhibition.

Source for Group Symptoms: Recognition and Management of Pesticide Poisoning, 5th edition, U.S. EPA, Chapter 4.

Treatment for Organophosphorus Poisoning

See: Recognition and Management of Pesticide Poisoning, 5th edition, U.S. EPA, Chapter 4, page 40.

Symptoms of Temephos Exposure from the International Chemical Safety Cards (ICSC)		**Report a Poisoning**
View full ICSC Cards: English Español Française Chinese Dutch Finnish German Hungarian Japanese Swahili Thai Urdu		
NOTE! PREVENT DISPERSION OF DUST!		
Route of Exposure	**Symptoms**	**First Aid**
Inhalation		Fresh air rest.
Skin		Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes		First rinse with plenty of water for several minutes (remove contact lenses if easily possible) then take to a doctor.
Ingestion		Rinse mouth. Refer for medical attention.
Notes for ICSC Information		
Carrier solvents used in commercial formulations may change physical and toxicological properties. Abate Abathion Swebate Nimitex and Biothion are trade names.		

Toxicity Information for Temephos

Top

Note: Information for many chemicals is incomplete and may not be fully representative of effects on humans. Why?

Summary Toxicity Information

PAN Bad Actor Chemical [1]	Acute Toxicity [2]	Carcinogen	Cholinesterase Inhibitor	Ground Water Contaminant	Developmental or Reproductive Toxin	Endocrine Disruptor
	Not Acutely Toxic	Unclassifiable				

Indicates high toxicity in the given toxicological category.

Indicates no available weight-of-the-evidence summary assessment. For additional information on toxicity from scientific journals or registration documents, see the "Additional Resources for Toxicity " section of the chemical detail page.

1. PAN Bad Actors are chemicals that are one or more of the following: highly acutely toxic, cholinesterase inhibitor, known/probable carcinogen, known groundwater pollutant or known reproductive or developmental toxicant. NOTE! Because there are no authoritative lists of Endocrine Disrupting (ED) chemicals, EDs are not yet considered PAN Bad Actor chemicals.

2. The acute toxicity reported on this page is of the pure chemical ingredient only and may not reflect the acute toxicity of individual pesticide products. To view acute toxicity of individual products, click on 'View Products' link in the 'Chemical Identification' section above.

Additional Resources about the Toxicity of this Chemical

Additional Toxicity Info for this Chemical

See the Global Pesticide Resources page for many additional links.

Detailed Toxicity Information

Acute Toxicity [2]

WHO Acute Hazard	U, Unlikely to be Hazardous
TRI Acute Hazard	Not Listed
Material Safety Data Sheets	Not Available
Acute rating from U.S. EPA product label	No Consensus Value
U.S. NTP Acute Toxicity Studies	No NTP Studies
View Studies	
Cholinesterase Inhibitor	Yes

2. The acute toxicity reported on this page is of the pure chemical ingredient only and may not reflect the acute toxicity of individual pesticide products. To view acute toxicity of individual products, click on 'View Products' link in the 'Chemical Identification' section above.

Cancer Information

IARC Carcinogens	Not Listed
U.S. NTP Carcinogens	Not Listed
California Prop 65 Known Carcinogens	Not Listed

U.S. EPA Carcinogens	Not classified
TRI Carcinogen	Not Listed

Endocrine Disruption

Illinois EPA list	Not Listed
Keith list	Not Listed
Colborn list	Not Listed
Benbrook list	Not Listed

Reproductive and Developmental Toxicity

CA Prop 65 Developmental Toxin	Not Listed
U.S. TRI Developmental Toxin	Not Listed
CA Prop 65 Female Reproductive Toxin	Not Listed
CA Prop 65 Male Reproductive Toxin	Not Listed
U.S. TRI Reproductive Toxin	Not Listed

Chemicals of Special Concern

PAN Bad Actors	Yes
PAN Dirty Dozen list	Not Listed

Water Pollution Potential and Criteria for Temephos

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Water Pollution Potential

PAN Ground Water Contaminant Rating	Insufficient Data

Physical Property Data Related to Water Contamination Potential

Water Solubility (Avg, mg/L)	-
Adsorption Coefficient (Koc)	247.1
Hydrolysis Half-life (Avg, Days)	525.3
Aerobic Soil Half-life (Avg, Days)	-
Anaerobic Soil Half-life (Avg, Days)	21.2

Sorry, no water quality standards or criteria have been established for this chemical by the U.S. or Canadian governments; however, there may be criteria established for related chemicals.

Regulatory Information for Temephos

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International Regulatory Status

Worldwide Registration	Worldwide Registration for: Temephos
Click on link at right to view registration information for different countries -->	Number of countries where this chemical is: Banned, Restricted or Cancelled: 0 Not legal for import: 0
UNEP Persistent Organic Pollutant (POP)	Not Listed
UNEP Prior Informed Consent Chemical (PIC)	Not Listed
WHO Obsolete Pesticide	Not Listed

U.S. and California Regulatory Status

U.S. EPA Registered	Yes
U.S. EPA Hazardous Air Pollutant	Not Listed
U.S. EPA Minimum Risk Pesticide (25b list)	No
CA Registered	Yes
CA Groundwater Contaminant	*Not Listed*
CA Toxic Air Contaminant	Not Listed

Maximum Tolerance and Residue Levels

Codex Alimentarius (UN FAO Maximum Residue Limits)	Go to web site
U.S. Maximum Tolerance Levels	Go to web site
European Union Maximum Residue Levels	Go to web site

Ecotoxicity for Temephos

Tc

Note! Information for many chemicals is incomplete and may not be fully representative of effects on the environment. Why? Click c underlined terms for definitions and additional information.

Aquatic Ecotoxicity

All Toxic Effects for Organism Group	
Organism Group	Effects Noted
Amphibians	Behavior, Growth, Mortality
Annelida	Mortality, Population
Cnidaria	Mortality, Population
Crustaceans	Accumulation, Behavior, Intoxication, Mortality, No Effect Coded, Population
Fish	Accumulation, Behavior, Biochemistry, Development, Enzyme(s), Feeding Behavior, Growth, Histology, Mc

	Mortality, Physiology, Population, Reproduction
Insects	Behavior, Development, Intoxication, Mortality, Population, Reproduction
Molluscs	Accumulation, Growth, Morphology, Mortality, Population, Reproduction
Nematodes and Flatworms	Mortality, Population, Reproduction
Phytoplankton	Biochemistry, Growth, Physiology, Population
Zooplankton	Behavior, Enzyme(s), Intoxication, Mortality, Physiology, Population

View All Aquatic Ecotoxicity Studies and References

Summary of Acute Toxicity for Organism Group

Organism Group	Average Acute Toxicity	Acute Toxicity Range
Amphibians	Moderately Toxic	Moderate Toxicity
Annelida	Moderately Toxic	Moderate Toxicity
Crustaceans	Highly Toxic	Moderate to Very High Toxicity
Fish	Slightly Toxic	Slight to Very High Toxicity
Insects	Highly Toxic	Moderate to Very High Toxicity
Molluscs	Not Acutely Toxic	Not Acutely Toxic to Slightly Toxic
Zooplankton	Highly Toxic	Highly Toxic

View All Acute Summaries

Terrestrial Ecotoxicity

We have recently secured funding from the U.S. EPA to incorporate terrestrial ecotoxicity data. Watch this space!

Related Chemicals for Temephos

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CAS Number	Relation	Reason	Chemical Name	Chem Detail	Registration	Symptoms	California Use	Chem Use Type	U.S. EPA Reg	F
3383-96-8	Parent	P	Temephos	View	View	View	View	Insecticide	Yes	
17210-55-8	Related	5a	Temephos sulfoxide	View	View	View	View	Breakdown product	No	

Working with the Information on this Page

Click on underlined terms for definitions or go to the Pesticide Tutorial overview page.

Any underlined term with a book icon has additional information.

* Data marked with an asterisk indicates that this chemical is not explicitly listed on the corresponding list. Instead, it belongs to

...oup of chemicals that IS designated on the list. For example, if an agency assigns a classification of reproductive toxicant to "mercury compounds", that classification is applied to all mercury compounds in the PAN Pesticide database, which are then marked with an asterisk.

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Citation: S. Orme and S. Kegley. *PAN Pesticide Database*, Pesticide Action Network, North America (San Francisco, CA, 2004), http:www.pesticideinfo.org.

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