Environmental Conservation Laboratories, Inc.
1015 Passport Way
Cary, NC 27513-2024
(919) 6771669

Login #:	CRY18137
Accont #:	JO004
Client:	Joyce Engineering
Attention:	Jeremey Kerly
Address:	2301 West Meadowview Road S-203 Greensboro, NC 27407
Date Received:	14-Jun-05
Date Invoiced:	27-Jun-05
Project Number:	710.01
Project Desc:	WCA Material Recovery-Brown-Field Rd.
Project Loc:	NC

CERTIFICATIONS

Local Laboratory Certification:	NCDENR:591

ABBREVIATIONS

NR :	Analysis not requested for this sample.
ND :	Compound was analyzed for but not detected to the level shown.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002).

This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Chuck Smith

SAMPLE IDENTIFICATION

Lab Sample ID	Client ID	Collection Date
CRY18137-1	MW-1	06/14/2005 13:50
CRY18137-2	MW-2	06/14/2005 11:05
CRY18137-3	MW-3	06/14/2005 14:10
CRY18137-4	MW-4(MS/MSD)	06/14/2005 14:35
CRY18137-5	MW-5	06/14/2005 14:45
CRY18137-6	SW-1	06/14/2005 13:16
CRY18137-7	SW-2	06/14/2005 12:10
CRY18137-8	SW-3	06/14/2005 10:53
CRY18137-9	FIELD BLANK	06/14/2005 14:56
CRY18137-10	TRIP	06/14/2005

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Chuck Smith

CASE NARRATIVE

Overview
None

Quality Control Samples
None

Other Comments
None

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package.

Released By:

Environmental Conservation Laboratories, Inc.
Chuck Smith

Parameter	RDL	Units	MW-2	MW-3	MW-4 (MS/MSD)	MW-5	SW-1	SW-2	SW-3	Field	Trip	Method
Lead	10	ug/L	ND	ND	ND	92	ND	ND	ND	ND	NR	ND
Lead, filtered	10	ug/L	NR	NR	NR	ND	NR	NR	NR	NR	NR	-
Mercury	0.5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Arsenic	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Barium	500	ug/L	520	2600	ND	ND	ND	ND	ND	ND	NR	ND
Barium, filtered	500	ug/L	NR	2700	NR	NR	NR	NR	NR	NR	NR	-
Selenium	20	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Silver	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Chromium	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND
Ethylbenzene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	15.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	50.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-Xylene & p-Xylene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Bromoform	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	25.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,4-Dichloro-2-Butene	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C-1,2-Dichloroethene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	200	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	10.	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

QUALITY CONTROL

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
DISSOLVED METALS					
Barium, 6010	112/106/103	72-125	74-119	3	11
Lead, 6010	111/104/101	72-121	68-126	3	19
TOTAL METALS					
Mercury, 7470	100/98/96	81-126	70-136	2	12
Silver, 6010	110/104/100	80-128	69-121	4	12
Arsenic, 6010	114/108/105	82-117	64-126	3	12
Barium, 6010	112/106/103	72-125	74-119	3	11
Cadmium, 6010	115/109/106	72-120	68-121	3	12
Chromium, 6010	110/104/101	78-119	73-120	3	17
Lead, 6010	111/104/101	72-121	68-126	3	19
Selenium, 6010	115/109/106	82-127	65-129	3	10
EPA METHOD APPENDIX I,8260					
1,1-Dichloroethene	85/88/89	64-139	36-177	1	30
Benzene	86/90/91	69-115	53-150	1	23
Trichloroethene	107/108/107	74-118	64-124	<1	25
Toluene	80/83/82	77-117	40-161	1	23
Chlorobenzene	90/89/90	76-118	44-128	1	22

SURROGATE RECOVERY

Lab Sample ID	Surrogate	% RECOVERY	ACCEPT LIMITS
CRY18137-1	Bromofluorobenzene	90	70-130
CRY18137-1	D8-Toluene	97	77-118
CRY18137-1	Dibromofluoromethane	103	73-138
CRY18137-2	Bromofluorobenzene	91	70-130
CRY18137-2	D8-Toluene	99	77-118
CRY18137-2	Dibromofluoromethane	103	73-138
CRY18137-3	Bromofluorobenzene	88	70-130
CRY18137-3	D8-Toluene	99	77-118
CRY18137-3	Dibromofluoromethane	104	73-138
CRY18137-4	Bromofluorobenzene	98	70-130
CRY18137-4	D8-Toluene	99	77-118
CRY18137-4	Dibromofluoromethane	101	73-138
CRY18137-5	Bromofluorobenzene	91	70-130
CRY18137-5	D8-Toluene	101	77-118
CRY18137-5	Dibromofluoromethane	104	73-138
CRY18137-6	Bromofluorobenzene	91	70-130
CRY18137-6	D8-Toluene	101	77-118
CRY18137-6	Dibromofluoromethane	110	73-138
CRY18137-7	Bromofluorobenzene	92	70-130
CRY18137-7	D8-Toluene	97	77-118
CRY18137-7	Dibromofluoromethane	102	73-138
CRY18137-8	Bromofluorobenzene	91	70-130
CRY18137-8	D8-Toluene	100	77-118
CRY18137-8	Dibromofluoromethane	101	73-138
CRY18137-9	Bromofluorobenzene	90	70-130
CRY18137-9	D8-Toluene	98	77-118
CRY18137-9	Dibromofluoromethane	104	73-138
CRY18137-10	Bromofluorobenzene	88	70-130
CRY18137-10	D8-Toluene	95	77-118
CRY18137-10	Dibromofluoromethane	102	73-138
V052FP1-1	Bromofluorobenzene	94	70-130
V052FP1-1	D8-Toluene	103	77-118
V052FP1-1	Dibromofluoromethane	98	73-138
V052FP1-5	Bromofluorobenzene	91	70-130
V052FP1-5	D8-Toluene	96	77-118
V052FP1-5	Dibromofluoromethane	101	73-138