RCO829

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JOYCE ENGINEERING, INC.

Waste Industry Experts

Henderson Building
Suite 203
2301 W Meadowview Rd
Greensboro, NC 27407

tel: 336/323-0092
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www.JoyceEngineering.com

September 18, 2006

Received OCT 2006 Solid Waste Section

Mr. Ethan Brown
Division of Waste Management/Solid Waste Section
1647 Mail Service Center
Raleigh, NC 27699-1646

RE: First Semiannual Groundwater Monitoring Report of 2006
Material Recovery, LLC, C&D Landfill, Permit Number 92-31
JEI Project No. 710, Task 07

Dear Ethan:

Enclosed is a report of the laboratory analytical results for the water quality monitoring that was conducted in June 2006 at WCA's Material Recovery, LLC, Construction and Demolition Landfill. In accordance with the Groundwater Monitoring Plan, monitoring wells MW-1, -2, -3, -4, and -5 and surface water points SW-1, -2, and -3 were sampled on June 21, 2006. The samples were sent to Environmental Conservation Laboratories, Inc. and analyzed for the NC Appendix I list of volatile organic compounds and the eight RCRA metals. In addition, MW-3 was analyzed for dissolved barium and MW-5 was analyzed for dissolved lead.

A summary of the detected constituents for the site is included as Table 1. There were no organic constituents detected above their respective laboratory reporting limits during the June 2006 event. Two inorganic constituents were detected above the laboratory reporting limits during the June 2006 event. Barium was detected in MW-2 and MW-3 at concentrations consistent with previous results. Lead was also detected in MW-5 at a concentration that was consistent with previous sampling event results. Barium in MW-3 and lead in MW-5 were detected at concentrations above their respective NC 2L Drinking Water and EPA MCL Standards. Previous data suggest that turbidity may be a factor in the relatively high concentrations of total metals.

A summary of groundwater elevations is included as Table 2. The field information forms, a site plan map, and a compact disc containing the laboratory report for this event are also enclosed in this report. The next semiannual monitoring event is scheduled to take place in December 2006. If you have any questions, please feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Jeremey J. Kerly
Staff Consultant

Attachments – Table 1 – Summary of Detected Constituents
Table 2 – Groundwater Elevation Summary Table
Laboratory Reports and Field Data
Site Map

Cc: Vernon Smith – WCA of North Carolina, L.P.
Wilbert Carter – Material Recovery, LLC, C&D Landfill
File

JOYCE
ENGINEERING, INC.

RC0829

Prepared for:

WCA of North Carolina
421 Raleigh View Road
Raleigh, NC 27610

JEI Project Number 710, Task 07

Received
OCT 2006
Solid Waste Section

FIRST SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2006 MATERIAL RECOVERY, LLC CONSTRUCTION AND DEMOLITION LANDFILL WAKE COUNTY, NORTH CAROLINA PERMIT NUMBER 92-31

September 2006

Prepared by:

JOYCE ENGINEERING, INC.

2301 West Meadowview Road, Suite 203
Greensboro, North Carolina 27407
Phone: (336) 323-0092
Fax: (336) 323-0092

WCA of North Carolina, L.P.
Material Recovery, LLC, C&D Landfill
First Semiannual Groundwater Monitoring Report of 2006

September 2006

Prepared by:

JOYCE ENGINEERING, INC.

2301 West Meadowview Road, Suite 203
Greensboro, North Carolina 27407

Prepared by: _____
Jeremey J. Kerly

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST G. VAN NESS BURBACH

Supervised & Reviewed by: _____
G. Van Ness Burbach, Ph.D., P.G.
NC License # 1349

Tables

TABLE 1
SUMMARY OF DETECTED CONSTITUENTS
MATERIAL RECOVERY, LLC, C AND D LANDFILL

Parameter [NC 2L Standard], [EPA MCL] in µg/L	Date	CONCENTRATION (µg/L)									
		RL	MW-1	MW-2	MW-3	MW-4	MW-5	SW-1	SW-2	SW-3	Blanks
Barium (total)	May-02	500	---	---	---	---	---	---	ND	---	ND
[2000]	Aug-02	500	ND	ND	**4000**	ND	ND	---	---	ND	ND
[2000]	Jun-03	500	ND	ND	**3100**	ND	ND	ND	ND	ND	ND
	Dec-03	500	160	420	1200	120	120	ND	ND	230	ND
	Jun-04	500	ND	540	1500	ND	ND	ND	ND	ND	ND
	Dec-04	500	ND	570	**3100**	ND	ND	ND	ND	ND	ND
	Jun-05	500	ND	520	**2600**	ND	ND	ND	ND	ND	ND
	Dec-05	500	ND	640	**5700**	ND	ND	ND	ND	ND	ND
	Jun-06	500	ND	708	**4690**	ND	ND	ND	ND	ND	ND
Barium (dissolved)	Dec-03	500	---	---	1000	---	---	---	---	---	---
	Jun-04	500	---	---	1400	---	---	---	---	---	---
	Jun-05	500	---	---	**2700**	---	---	---	---	---	---
	Dec-05	500	---	---	**5900**	---	---	---	---	---	---
	Jun-06	500	---	---	**4990**	---	---	---	---	---	---
Cadmium	May-02	1	---	---	---	---	---	---	ND	---	ND
[1.75]	Aug-02	1	1.4	1.1	1.8	1.2	1.0	---	---	1.6	ND
[5]	Jun-03	1	1.2	1.1	1.7	1.8	3.4	1.0	ND	1.1	ND
	Dec-03	1	ND	1.3	ND	ND	ND	ND	ND	ND	ND
	Jun-04	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-04	1	ND	ND	ND	ND	1.1	ND	ND	ND	ND
	Jun-05	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-05	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	May-02	10	---	---	---	---	---	---	ND	---	ND
[50]	Aug-02	10	ND	ND	ND	ND	ND	---	---	ND	ND
[100]	Jun-03	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-03	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-05	10	ND	ND	ND	ND	15	ND	ND	ND	ND
	Jun-06	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead (total)	May-02	10	---	---	---	---	---	---	ND	---	ND
[15]	Aug-02	10	ND	ND	ND	ND	**19**	---	---	ND	ND
[15*]	Jun-03	10	ND	ND	ND	ND	**21**	ND	ND	ND	ND
	Dec-03	10	ND	ND	ND	ND	**34**	ND	ND	ND	ND
	Jun-04	10	ND	ND	ND	ND	15	ND	ND	ND	ND
	Dec-04	10	ND	ND	ND	ND	**62**	ND	ND	ND	ND
	Jun-05	10	ND	ND	ND	ND	**92**	ND	ND	ND	ND
	Dec-05	10	ND	ND	ND	ND	**81**	ND	ND	ND	ND
	Jun-06	10	ND	ND	ND	ND	**33.4**	ND	ND	ND	ND
Lead (dissolved)	Dec-03	10	---	---	---	---	ND	---	---	---	---
	Jun-04	10	---	---	---	---	ND	---	---	---	---
	Jun-05	10	---	---	---	---	ND	---	---	---	---
	Dec-05	10	---	---	---	---	ND	---	---	---	---
	Jun-06	10	---	---	---	---	ND	---	---	---	---
Xylenes	May-02	10	---	---	---	---	---	---	ND	---	ND
[530]	Jun-03	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
[10000]	Dec-03	10	5	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dec-05	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun-06	5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1. RL = Reporting Limit
2. ND = Not detected at or above the reporting limit (=NCPQL)
3. --- = not available
4. 2L Standard = North Carolina's groundwater quality standard established under 15A NCAC 2L, .0202.
5. Shaded values are greater than the 2L Standards.
6. Bolded values are greater than the EPA MCLs.
7. MW = monitoring well
8. SW = surface water
9. Blank data represent field blank, trip blank and laboratory blank values.
10. * = EPA Action Level
11. All concentrations are in micrograms per liter (µg/L).

TABLE 2
GROUNDWATER ELEVATION SUMMARY TABLE
MATERIAL RECOVERY, LLC, C AND D LANDFILL

	Monitoring Well Water Level Elevations				
Well No.	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**
Well TOC Elev. (ft)	**280.95**	**213.37**	**218.54**	**201.52**	**203.38**
Aug-02	252.98	195.37	191.13	186.43	191.82
Jun-03	258.29	197.10	195.09	191.72	193.45
Dec-03	258.17	197.55	195.62	191.88	194.13
Jun-04	257.17	196.89	194.54	191.12	193.43
Dec-04	256.71	196.85	193.93	190.70	193.38
Jun-05	256.73	196.40	193.41	190.13	193.01
Dec-05	254.10	196.16	191.64	189.84	193.38
Jun-06	253.98	196.27	192.07	189.57	193.18

Notes:
1. All elevations are referenced to mean sea level.
2. TOC = top of casing
3. Elev. = elevation
4. ft = feet

Laboratory Reports and Field Data

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Thursday, June 29, 2006

Joyce Engineering (JO004)
Attn: Jeremey Kerly
2301 West Meadowview Road S-203
Greensboro, NC 27407

RE: Project Number: 710.07, Project Name/Desc: WCA of NC, L.P., Material Recovery, LLC
ENCO Workorder: C601500

Dear Jeremey Kerly,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, June 21, 2006.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Bob George For Chuck Smith
Project Manager

Enclosure(s)

RECEIVED JUL 03 2006

The total number of pages in this report, including this page is 40.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1 **Lab ID:** C601500-01

Sampled: 06/21/06 14:00 **Received:** 06/21/06 17:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	12/18/06	06/22/06 09:39	6/23/2006 11:00
EPA 7470A	07/19/06	06/23/06 09:57	6/23/2006 15:59
EPA 8260B	07/05/06	06/23/06 07:08	6/23/2006 11:23

Client ID: MW-2 **Lab ID:** C601500-02

Sampled: 06/21/06 14:25 **Received:** 06/21/06 17:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	12/18/06	06/22/06 09:39	6/23/2006 11:07
EPA 7470A	07/19/06	06/23/06 09:57	6/23/2006 15:37
EPA 8260B	07/05/06	06/23/06 07:08	6/23/2006 11:49

Client ID: MW-3 **Lab ID:** C601500-03

Sampled: 06/21/06 14:45 **Received:** 06/21/06 17:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	12/18/06	06/22/06 09:39	6/28/2006 15:49
EPA 7470A	07/19/06	06/23/06 09:57	6/23/2006 15:39
EPA 8260B	07/05/06	06/23/06 07:08	6/23/2006 12:17

Client ID: MW-4 MS/MSD **Lab ID:** C601500-04

Sampled: 06/21/06 15:15 **Received:** 06/21/06 17:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	12/18/06	06/22/06 09:39	6/23/2006 10:31
EPA 7470A	07/19/06	06/23/06 09:57	6/23/2006 15:18
EPA 8260B	07/05/06	06/23/06 07:08	6/23/2006 12:45

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Client ID: Trip Blank

Lab ID: C601500-10

Sampled: 06/21/06 00:00

Received: 06/21/06 17:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	07/05/06	06/23/06 07:08	6/23/2006 15:29

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ANALYTICAL REPORT

Sample ID:	MW-1	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-01	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56.7	50.0	113 %	70-130
Dibromofluoromethane	1868-53-7	40.3	50.0	81 %	73-138
Toluene-d8	2037-26-5	51.1	50.0	102 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-2	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-02	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-2
Lab #: C601500-02

Project: WCA of NC, L.P., Material Recovery, LLC
Work Order #: C601500
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Barium	7440-39-3	**708**		20.0	500	ug/L	EPA 6010B	EPA 3005A	6F20010
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6F20010
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Mercury	7439-97-6	2	U	0.20	2	ug/L	EPA 7470A	EPA 245.1	6F23012
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6F20010
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010

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ANALYTICAL REPORT

Sample ID:	MW-3	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-03	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.1	50.0	110 %	70-130
Dibromofluoromethane	1868-53-7	38.2	50.0	76 %	73-138
Toluene-d8	2037-26-5	54.4	50.0	109 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-3
Lab #: C601500-03

Project: WCA of NC, L.P., Material Recovery, LLC
Work Order #: C601500
Matrix: Ground Water

Metals (Dissolved) by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Barium	7440-39-3	**4990**	20.0	0.5	ug/L	EPA 6010B	EPA 3005A	6F20010

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ANALYTICAL REPORT

Sample ID:	MW-4 MS/MSD	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-04	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52.7	50.0	105 %	70-130
Dibromofluoromethane	1868-53-7	40.5	50.0	81 %	73-138
Toluene-d8	2037-26-5	48.6	50.0	97 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-5	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-05	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID: MW-5
Lab #: C601500-05

Project: WCA of NC, L.P., Material Recovery, LLC
Work Order #: C601500
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6F20010
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6F20010
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Lead	7439-92-1	**33.4**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Mercury	7439-97-6	2	U	0.20	2	ug/L	EPA 7470A	EPA 245.1	6F23012
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6F20010
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-06	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID: SW-1
Lab #: C601500-06

Project: WCA of NC, L.P., Material Recovery, LLC
Work Order #: C601500
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6F20010
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6F20010
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Mercury	7439-97-6	2	U	0.20	2	ug/L	EPA 7470A	EPA 245.1	6F23012
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6F20010
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-07	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55.6	50.0	111 %	70-130
Dibromofluoromethane	1868-53-7	37.1	50.0	74 %	73-138
Toluene-d8	2037-26-5	49.4	50.0	99 %	77-118

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ANALYTICAL REPORT

Sample ID:	SW-3	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-08	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID: SW-3
Lab #: C601500-08

Project: WCA of NC, L.P., Material Recovery, LLC
Work Order #: C601500
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Barium	7440-39-3	500 U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6F20010
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6F20010
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010
Mercury	7439-97-6	2 U	0.20	2	ug/L	EPA 7470A	EPA 245.1	6F23012
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6F20010
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6F20010

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ANALYTICAL REPORT

Sample ID:	Field Blank	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-09	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	1.0	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52.7	50.0	105 %	70-130
Dibromofluoromethane	1868-53-7	39.4	50.0	79 %	73-138
Toluene-d8	2037-26-5	53.7	50.0	107 %	77-118

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	WCA of NC, L.P., Material Recovery, LLC
Lab #:	C601500-10	Work Order #:	C601500
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/23/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6F23001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 6F23001 - EPA 5030B_MS

Blank (6F23001-BLK1) Prepared: 06/23/2006 07:08 Analyzed: 06/23/2006 09:39

Acetone	2.0 U	2.0	ug/L
Acrylonitrile	5.0 U	5.0	ug/L
Benzene	1.0 U	1.0	ug/L
2-Butanone	2.0 U	2.0	ug/L
2-Hexanone	2.0 U	2.0	ug/L
Iodomethane	2.0 U	2.0	ug/L
Tetrachloroethene	1.0 U	1.0	ug/L
4-Methyl-2-pentanone	2.0 U	2.0	ug/L
Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	1.0 U	1.0	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	2.0 U	2.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	1.0 U	1.0	ug/L
trans-1,3-Dichloropropene	1.0 U	1.0	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	1.0 U	1.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6F20010 - EPA 3005A										
LCS (6F20010-BS1) Continued				Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:23						
Cadmium	526	1.00	ug/L	500		105	72-120		200	
Chromium	1030	10.0	ug/L	1000		103	78-119		200	
Lead	1040	10.0	ug/L	1000		104	72-121		200	
Selenium	1060	10.0	ug/L	1000		106	82-127		200	
Silver	96.5	10.0	ug/L	100		96	80-128		200	
Matrix Spike (6F20010-MS1)		**Source: C601500-04**		Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:38						
Arsenic	1020	10.0	ug/L	1000	3.10	102	64-126		12	
Barium	1130	20.0	ug/L	1000	121	101	74-119		11	
Cadmium	518	1.00	ug/L	500	1.00 U	104	68-121		12	
Chromium	1010	10.0	ug/L	1000	10.0 U	101	73-120		10	
Lead	1000	10.0	ug/L	1000	10.0 U	100	68-126		19	
Selenium	1040	10.0	ug/L	1000	10.0 U	104	65-129		10	
Silver	107	10.0	ug/L	100	10.0 U	107	69-121		12	
Matrix Spike Dup (6F20010-MSD1)		**Source: C601500-04**		Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:49						
Arsenic	1040	10.0	ug/L	1000	3.10	104	64-126	2	12	
Barium	1150	20.0	ug/L	1000	121	103	74-119	2	11	
Cadmium	531	1.00	ug/L	500	1.00 U	106	68-121	2	12	
Chromium	1030	10.0	ug/L	1000	10.0 U	103	73-120	2	10	
Lead	1020	10.0	ug/L	1000	10.0 U	102	68-126	2	19	
Selenium	1050	10.0	ug/L	1000	10.0 U	105	65-129	1	10	
Silver	96.7	10.0	ug/L	100	10.0 U	97	69-121	10	12	
Batch 6F23012 - EPA 245.1										
Blank (6F23012-BLK1)				Prepared: 06/23/2006 09:57 Analyzed: 06/23/2006 15:12						
Mercury	0.20 U	0.20	ug/L							
LCS (6F23012-BS1)				Prepared: 06/23/2006 09:57 Analyzed: 06/23/2006 15:14						
Mercury	4.75	0.20	ug/L	5.00		95	81-126		200	
Matrix Spike (6F23012-MS1)		**Source: C601500-04**		Prepared: 06/23/2006 09:57 Analyzed: 06/23/2006 15:21						
Mercury	4.32	0.20	ug/L	5.00	0.20 U	86	85-115		12	
Matrix Spike Dup (6F23012-MSD1)		**Source: C601500-04**		Prepared: 06/23/2006 09:57 Analyzed: 06/23/2006 15:23						
Mercury	4.26	0.20	ug/L	5.00	0.20 U	85	85-115	1	12	
Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control										
Batch 6F20010 - EPA 3005A										
Blank (6F20010-BLK1)				Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:16						
Barium	20.0 U	20.0	ug/L							
Lead	10.0 U	10.0	ug/L							
LCS (6F20010-BS1)				Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:23						
Barium	1020	20.0	ug/L	1000		102	72-125		200	
Lead	1040	10.0	ug/L	1000		104	72-121		200	
Matrix Spike (6F20010-MS1)		**Source: C601500-04**		Prepared: 06/20/2006 09:39 Analyzed: 06/23/2006 10:38						

NOTES AND DEFINITIONS

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
U	Analyte included in the analysis, but not detected

DATE: 6/21/06

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Material Recovery, LLC **Project/Task No.:** 710.07

Surface Point ID: SW-3 **Sampler(s):** D. Girdner / M. Osborne

Location: Stream past MW-2

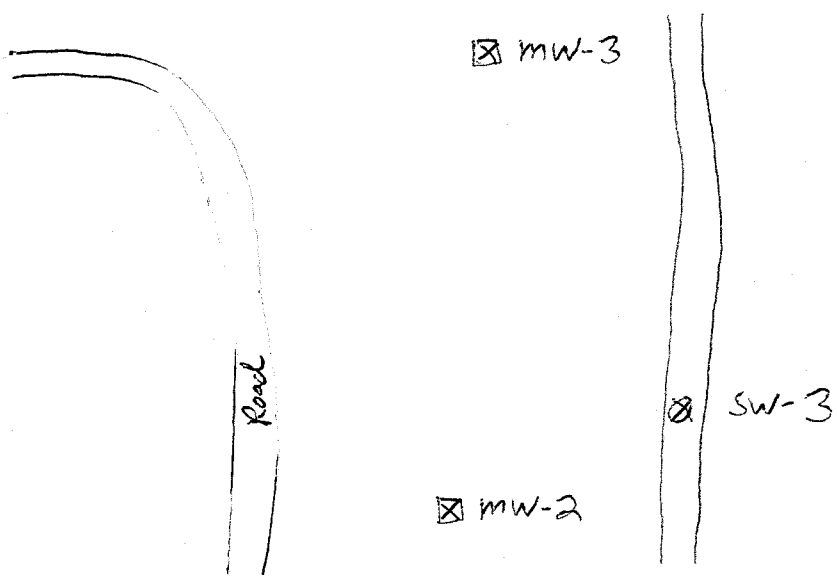
Field Parameters:

Time of Sampling:	14:45	
pH:	6.77	
Temperature :	21.0	(°C)
Conductivity :	383	(µS)
Turbidity :	268	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Cloudy, 70's Heavy Rain at around 13:30

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: Joyce Engineering, Inc. (J0004)	Project Number: 710.07
Address: 2301 W. Meadowview Rd Suite 203	Project Name/Desc: WCA of NC, L.P., Material Recovery, LLC
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: 336-323-0092 / Fax: 336-323-0093	Reporting Contact: Jeremey Kerly
Sampler(s) Name, Affiliation (Print): M. Osborne/D. Girdner	Billing Contact:
Sampler(s) Signature: Matt Osborne/D. Girdner	Facility # (if required):

Requested Analyses: 8260 B Appendix 1; RCRA metals: Ag, As, Ba, Cd, Cr, Hg, Pb, Se; Dissolved Barium; Dissolved Lead

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C601500

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260 B Appendix 1	RCRA metals	Dissolved Barium	Dissolved Lead	Sample Comments
	MW-1	6/21/06	14:00	Grab	Water	4	X	X			NC Appendix 1 VOCs & RCRA Metals
	MW-2	↓	14:25	Grab	Water	4	X	X			↓
	MW-3		14:45	Grab	Water	~~4~~ 5	X	X	X		NC Appendix 1 VOCs, RCRA Metals & dissolved Barium
	MW-4 MS/MSD		15:15	Grab	Water	8	X	X			NC Appendix 1 VOCs & RCRA metals
	MW-5		15:45	Grab	Water	5	X	X		X	NC Appendix 1 VOCs, RCRA metals + dissolved lead
	SW-1		16:15	Grab	Water	4	X	X			NC Appendix 1 & RCRA metals VOCs
	SW-2		15:30	Grab	Water	4	X	X			↓
	SW-3		14:45	Grab	Water	4	X	X			
	Field Blank	↓	16:20	Grab	Water	4	X	X			↓
	Trip Blank	—	—	—	Water	3	X				NC Appendix 1 VOCs
						45	<-- Total # of Containers				

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Matt Osborne	6/21/06 17:30	[illegible]	6/21/06 1730
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments
* Chain covers 1 cooler.
* Dissolved lead & barium have been field filtered.

Cooler #'s & Temps on Receipt: 17° JUST SAMPLED

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix : **GW**-Groundwater **SO**-Soil **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

WORK ORDER

Printed: 6/29/2006 1:36:43PM

C601500

ENCO Cary

Sample Receipt Conditions

Client:	**Joyce Engineering (JO004)**	**Lab Project Mgr:**	**Chuck Smith**
Project:	**WCA of NC, L.P., Material Recovery, LLC**	**Project Number:**	**710.07**
PO #:			

Report To:
Joyce Engineering (JO004)
Jeremey Kerly
2301 West Meadowview Road S-203
Greensboro, NC 27407
Phone: (336) 323-0092
Fax: (336) 323-0093

Invoice To:
Joyce Engineering (JO004)
Accounts Payable
1604 Ownby Lane
Richmond, VA 23220
Phone :(336) 323-0092
Fax: (336) 323-0093

Received By:	John W. Lowther	Date Received:	21-Jun-06 17:30
Logged In By:	John W. Lowther	Date Logged In:	21-Jun-06 17:30

Work Order Comments:

Default Cooler received at 17.0°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	Y	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N		

DATE: 6/21/06

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Material Recovery, LLC **Project No./Task No.:** 710.07

Well ID: MW-1 **Sampler(s):** D. Girdner/M. Osborne

Well Location: On left side of Brownfield Road between the 2 gates

Well Diameter: 2 inches

Initial Depth to Water (DTW): 26.97 feet

Depth to Bottom (DTB): 52.75 feet

Water Column Thickness (WCT): 25.78 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 4.21 gallons

For 4" Well: WCT X 0.653 = — gallons

For THREE Well Volumes: WV X 3 = 12.63 gallons

Actual Amount Purged/Bailed : 12.63 gallons

Purged with: Disposable Bailer

Sampled with: Disposable Bailer

Depth to Water before Sampling : 26.94 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	9:20	18.4	4.80	142.4	1.19	MO
4.5	9:35	18.4	4.85	105.9	539	MO
9	9:42	18.0	4.79	96.5	733	MO
12.63	9:50	18.1	4.79	96.6	892	MO
Before Sampling	14:00	19.8	4.90	102.2	33	MO

Comments (weather conditions, odor, color, silt, etc.): Well Condition Good Sunny, 80's Heavy Rain around 13:30

Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: Material Recovery, LLC PERMIT NO. 92-31

LOCATION: MW-1 DATE: 6/21/06

INSPECTOR: M. Osborne/D. Girdner COMPANY: Joyce Engineering, Inc.

1. Is surface water diverted away from the well head? Yes
2. Is the concrete pad still intact and free of cracks? Yes
3. Has surface water runoff undercut the concrete pad? NO
4. Is the outer casing still secure and locked? Yes
5. Is the well identification tag present and is it legible? Yes

   5a. Does the well identification tag provide the following information:

   - The well identification number? Yes
   - Drilling contractor name and registration number? Yes
   - Total depth of well? NO
   - Depth to screen? Yes
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? Yes

6. Is the grout between the inner and outer well casings all the way to the ground surface? Yes
7. Is the inner casing firmly grouted in place? Yes
8. Are the inner and outer casings upright and unobstructed? Yes
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? NO
10. Is the monitoring well accessible by a four-wheel drive vehicle? Yes
11. Have brush and weeds been trimmed so that the well is easy to locate and access? Yes
12. Does the inner well casing have a vented cap? No
13. Is the monitoring well visible and adequately protected from moving equipment? Yes

DATE: 6/21/06

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Material Recovery, LLC **Project No./Task No.:** 710.07

Well ID: mw-2 **Sampler(s):** D. Girdner/M. Osborne

Well Location: Northeast side of landfill in low area

Well Diameter: 2 inches

Initial Depth to Water (DTW): 17.10 feet

Depth to Bottom (DTB): 35.00 feet

Water Column Thickness (WCT): 17.90 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 2.92 gallons

For 4" Well: WCT X 0.653 = — gallons

For THREE Well Volumes: WV X 3 = 8.76 gallons

Actual Amount Purged/Bailed : 8.76 gallons

Purged with: Disposable Bailer

Sampled with: Disposable Bailer

Depth to Water before Sampling : 17.12 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	10:05	17.5	4.80	516	163	[illegible]
2.92	10:10	16.5	4.89	517	71.9	[illegible]
5.84	10:15	16.5	4.90	503	34.3	[illegible]
8.76	10:19	17.0	4.98	499	19.7	[illegible]
Before Sampling	14:25	17.7	4.89	506	4.62	MO

Comments (weather conditions, odor, color, silt, etc.): Well Condition Good Sunny, 80's Heavy Rain around 13:30

Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: Material Recovery, LLC PERMIT NO. 92-31

LOCATION: MW-2 DATE: 6/21/2006

INSPECTOR: M Osborne/D Girdner COMPANY: Sayre Engineering, Inc.

1. Is surface water diverted away from the well head? YES
2. Is the concrete pad still intact and free of cracks? YES - covered by veg. though
3. Has surface water runoff undercut the concrete pad? NO - ditch only ≈12" away
4. Is the outer casing still secure and locked? YES
5. Is the well identification tag present and is it legible? YES

   5a. Does the well identification tag provide the following information:

   - The well identification number? YES
   - Drilling contractor name and registration number? NO
   - Total depth of well? YES
   - Depth to screen? YES
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? YES

6. Is the grout between the inner and outer well casings all the way to the ground surface? YES
7. Is the inner casing firmly grouted in place? YES
8. Are the inner and outer casings upright and unobstructed? YES
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? NO
10. Is the monitoring well accessible by a four-wheel drive vehicle? NO
11. Have brush and weeds been trimmed so that the well is easy to locate and access? YES
12. Does the inner well casing have a vented cap? NO, cap w/ o'ring
13. Is the monitoring well visible and adequately protected from moving equipment? Yes-visible No posts or bollards

DATE: 6/21/06

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Material Recovery, LLC **Project No./Task No.:** 710.07

Well ID: MW-3 **Sampler(s):** D. Girdner/M. Osborne

Well Location: Northeast side of landfill past MW-2

Well Diameter: 2 inches

Initial Depth to Water (DTW): 26.47 feet

Depth to Bottom (DTB): 34.50 feet

Water Column Thickness (WCT): 8.03 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 1.31 gallons

For 4" Well: WCT X 0.653 = — gallons

For THREE Well Volumes: WV X 3 = 3.93 gallons

Actual Amount Purged/Bailed : 3.93 gallons

Purged with: Disposable Bailer

Sampled with: Disposable Bailer

Depth to Water before Sampling : 26.45 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	10:50	17.0	4.29	784	183	MO
1.5	10:52	16.2	4.24	964	+1000	MO
3	10:55	16.7	4.27	969	+1000	MO
3.93	11:00	16.7	4.27	967	+1000	MO
Before Sampling	14:45	17.7	4.32	896	25.5	AY

Comments (weather conditions, odor, color, silt, etc.): Well Condition Good
Sunny, 80's Heavy Rain around 13:30

Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: Material Recovery, LLC PERMIT NO. 92-31

LOCATION: MW-3 DATE: 6/21/06

INSPECTOR: M. Osborne/D. Girdner COMPANY: Joyce Engineering, Inc.

1. Is surface water diverted away from the well head? Yes
2. Is the concrete pad still intact and free of cracks? Yes
3. Has surface water runoff undercut the concrete pad? NO
4. Is the outer casing still secure and locked? Yes
5. Is the well identification tag present and is it legible? Yes

   5a. Does the well identification tag provide the following information:

   - The well identification number? Yes
   - Drilling contractor name and registration number? Yes
   - Total depth of well? Yes
   - Depth to screen? Yes
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? Yes

6. Is the grout between the inner and outer well casings all the way to the ground surface? Yes
7. Is the inner casing firmly grouted in place? Yes
8. Are the inner and outer casings upright and unobstructed? NO
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? Yes
10. Is the monitoring well accessible by a four-wheel drive vehicle? Yes
11. Have brush and weeds been trimmed so that the well is easy to locate and access? NO
12. Does the inner well casing have a vented cap? Yes but no protection
13. Is the monitoring well visible and adequately protected from moving equipment?

DATE: 6/21/06

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Material Recovery, LLC **Project No./Task No.:** 710.07

Well ID: MW-4 **Sampler(s):** D. Gardner/M. Osborne

Well Location: Backside of landfill near sed. pond

Well Diameter: 2 inches

Initial Depth to Water (DTW): 11.95 feet

Depth to Bottom (DTB): 27.00 feet

Water Column Thickness (WCT): 15.05 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 2.46 gallons

For 4" Well: WCT X 0.653 = — gallons

For THREE Well Volumes: WV X 3 = 7.38 gallons

Actual Amount Purged/Bailed : 7.38 gallons

Purged with: Disposable Bailer

Sampled with: Disposable Bailer

Depth to Water before Sampling : 11.95 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	11:12	17.0	5.19	132.9	48.6	DG
~~2.46~~ ~~7.38~~ AJ	11:15	16.6	5.18	141.9	924	DG
4.92 AJ	11:18	17.0	5.22	147.4	1000	DG
7.38 AJ	11:21	16.6	5.22	160.5	>1000	DG
Before Sampling	15:15	18.7	5.15	130.6	85.3	MO

Comments (weather conditions, odor, color, silt, etc.): Sunny, hot + hazy, 88°F
Heavy Rain around 13:30

Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: Material Recovery, LLC PERMIT NO. 92-31

LOCATION: MW-4 DATE: 6/21/2006

INSPECTOR: D. GIRDNER/M. Osborne COMPANY: Joyce Engineering, Inc.

1. Is surface water diverted away from the well head? YES
2. Is the concrete pad still intact and free of cracks? YES
3. Has surface water runoff undercut the concrete pad? NO
4. Is the outer casing still secure and locked? YES
5. Is the well identification tag present and is it legible? YES

   5a. Does the well identification tag provide the following information:

   - The well identification number? YES
   - Drilling contractor name and registration number? N/name, Y#
   - Total depth of well? YES
   - Depth to screen? YES
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? YES

6. Is the grout between the inner and outer well casings all the way to the ground surface? YES
7. Is the inner casing firmly grouted in place? YES
8. Are the inner and outer casings upright and unobstructed? YES
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? NO –
10. Is the monitoring well accessible by a four-wheel drive vehicle? YES
11. Have brush and weeds been trimmed so that the well is easy to locate and access? YES
12. Does the inner well casing have a vented cap? NO cap ✓
13. Is the monitoring well visible and adequately protected from moving equipment? Y visible NO posts/bollards

DATE: 6/21/06

JOYCE ENGINEERING, INC.

GROUND WATER SAMPLING LOG

Project Name: Material Recovery, LLC **Project No./Task No.:** 710.07

Well ID: mw-5 **Sampler(s):** D. Girdner / M. Osborne

Well Location: Back corner of landfill past sed. pond.

Well Diameter: 2 inches

Initial Depth to Water (DTW): 10.20 feet

Depth to Bottom (DTB): 24.00 feet

Water Column Thickness (WCT): 13.80 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 2.25 gallons

For 4" Well: WCT X 0.653 = — gallons

For THREE Well Volumes: WV X 3 = 6.75 gallons

Actual Amount Purged/Bailed : 6.75 gallons

Purged with: Disposable Bailer

Sampled with: Disposable Bailer

Depth to Water before Sampling : 10.20 feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	11:40	16.0	5.71	80.7	+1000	MO
2.25	11:45	14.6	5.74	84.0	958	MO
4.5	11:50	14.9	5.82	82.4	+1000	MO
6.75	11:55	14.9	5.86	82.7	+1000	MO
Before Sampling	15:45	17.7	5.78	84.0	785	MO

Comments (weather conditions, odor, color, silt, etc.): Well Condition Good Sunny, 80's red cloudy water from first Bailer, went away to a more brown sediment type after a few purges Heavy Rain Around 13:30

Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

GROUNDWATER MONITORING WELL MAINTENANCE RECORD

FACILITY: Material Recovery, LLC PERMIT NO. 92-31

LOCATION: mw-5 DATE: 6/21/06

INSPECTOR: M. Osborne/D. Girdner COMPANY: Joyce Engineering, Inc.

1. Is surface water diverted away from the well head? Yes
2. Is the concrete pad still intact and free of cracks? Yes
3. Has surface water runoff undercut the concrete pad? No
4. Is the outer casing still secure and locked? Yes
5. Is the well identification tag present and is it legible? Yes

   5a. Does the well identification tag provide the following information:

   - The well identification number? Yes
   - Drilling contractor name and registration number? No, just registration
   - Total depth of well? Yes
   - Depth to screen? Yes
   - A warning that the well is not for water supply and that the ground water may contain hazardous materials? Yes

6. Is the grout between the inner and outer well casings all the way to the ground surface? Yes
7. Is the inner casing firmly grouted in place? Yes
8. Are the inner and outer casings upright and unobstructed? Yes
9. Is water collecting in the outer casing? Does a weep hole need to be bored in the outer casing to provide drainage? NO
10. Is the monitoring well accessible by a four-wheel drive vehicle? NO
11. Have brush and weeds been trimmed so that the well is easy to locate and access? Yes
12. Does the inner well casing have a vented cap? NO
13. Is the monitoring well visible and adequately protected from moving equipment? Yes

DATE: 6/21/06

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Material Recovery, LLC **Project/Task No.:** 710.07

Surface Point ID: SW-1 **Sampler(s):** D. Girdner / M. Osborne

Location: Upstream of P-15 & P-1D northwest property boundary

Field Parameters:

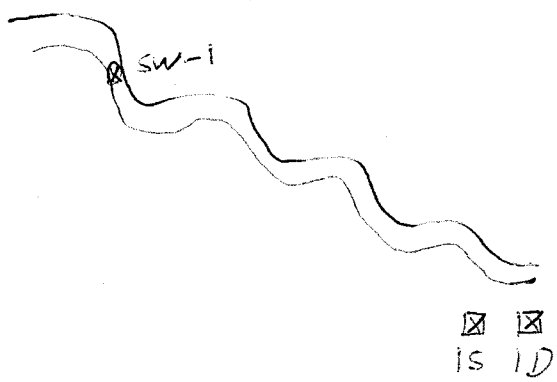
Time of Sampling:	16:15	
pH:	6.73	
Temperature :	19.5	(°C)
Conductivity :	199.1	(µS)
Turbidity :	5.38	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Mostly Cloudy, 80's, Heavy Rain around 13:30

Field Blank @ 16:20

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

DATE: 6/21/06

JOYCE ENGINEERING, INC.

SURFACE WATER MONITORING LOG

Project Name: Material Recovery LLC **Project/Task No.:** 710.07

Surface Point ID: SW-2 **Sampler(s):** D. Girdner / M. Osborne

Location: Between MW-3 & MW-4 in woods

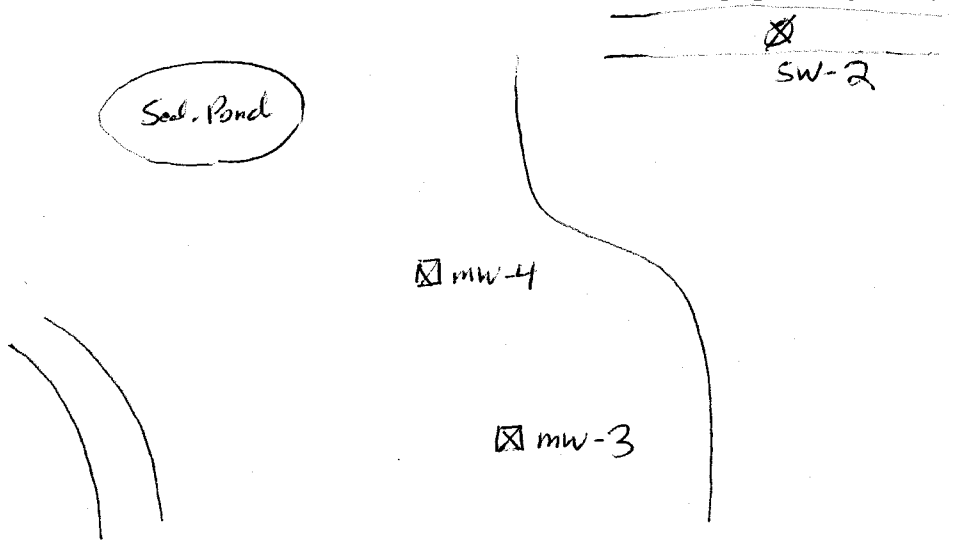
Field Parameters:

Time of Sampling:	15:30	
pH:	6.78	
Temperature :	22.6	(°C)
Conductivity :	197.2	(µS)
Turbidity :	160	(ntu)

Comments/Sample Description(weather conditions, odor, color, silt, etc.):

Cloudy, 80's Heavy Rain around 13:30

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: Matthew Osborne **Date:** 6/21/06

QA/QC Sign Off: [illegible] **Date:** 7-6-06

Drawing

NOTES:

1. DIGITAL MAPPING PROVIDED BY SPATIAL DATA CONSULTANTS, INC., OF HIGH POINT, NORTH CAROLINA. DATE OF AERIAL FLYOVER WAS MARCH 27, 2001.
2. SURFACE MONITORING POINT LOCATIONS ARE APPROXIMATE.

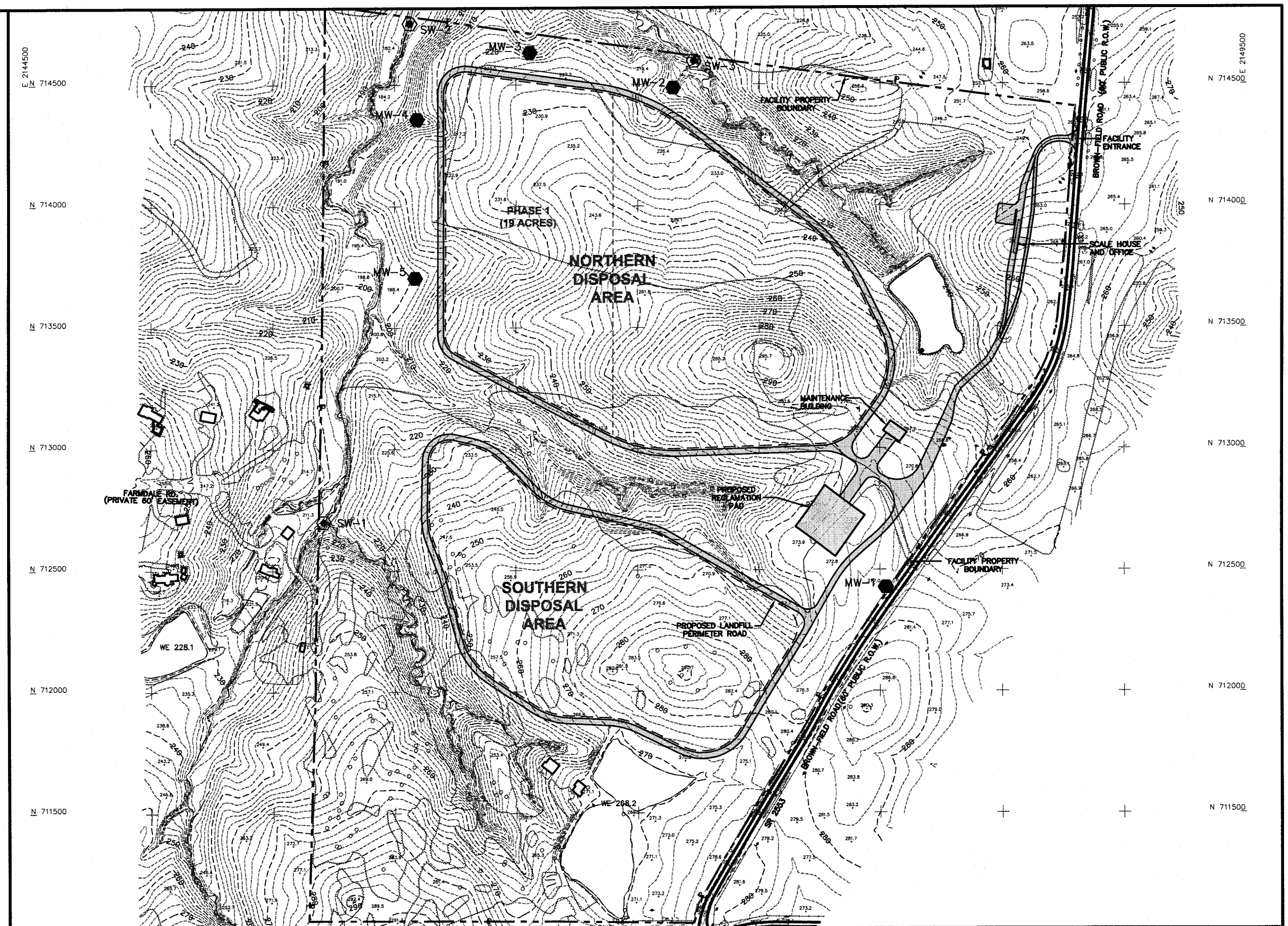
LEGEND:

EXISTING 10 FT. TOPOGRAPHIC CONTOUR	—260—
EXISTING 2 FT. TOPOGRAPHIC CONTOUR	
APPROXIMATE LIMITS OF WASTE	
APPROXIMATE PROPERTY LINE	
ROAD	
APPROXIMATE CENTERLINE OF STREAM	
GROUNDWATER MONITORING WELL LOCATION	MW-1
SURFACE WATER MONITORING POINT LOCATION	SW-1

GRAPHIC SCALE

0 200 400 800

(FEET)



DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED JJK
DRAWN CADD/JJK
CHECKED VB
APPROVED VB
DATE 09/01/06

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SCALE: 1:400

PROJECT NO.: 710.07

MATERIAL RECOVERY, LLC, C&D LANDFILL
WAKE COUNTY, NORTH CAROLINA

SITE PLAN

DRAWING NO.: 1

L:\Material Recovery Facility LLC\dwg\Task 07 GW Report\Site Plan June 2006.dwg