

38414

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10405 US Highway 27 South
 Sebring, Florida 33876

SHORT
 Environmental
 Laboratories, Inc.



LR

Report Cover Page

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

JAN 08 2007

SOUTHWEST DISTRICT
 TAMPA

Client: Hardee County
 Address: Solid Waste Department
 685 Airport Road
 City, St, Zip: Wauchula, FL 33873
 Attention: J.R. Prestridge

Report #: 2006070114
 Date: July 18, 2006

Project: HCSW
 Sample #'s: 262946

This report package includes the following
 contents and attachments:

Commonly used Qualifiers with explanations:

	Item	Pages	Qualifier	Explanation
Report of Analysis:	Original	5	U	Compound was analyzed for but not detected.
Attachments:	Chain of Custody	1	I	Result is between the PQL and the MDL.
	DEP Pages	3	Q	Sample was analyzed out of holding time.
			J	Estimated value; value may not be accurate.
Total Pages:		9		

The results contained in this report meet all requirements of the NELAC standards.

Respectfully Submitted,

Kenneth R. Koehler
 Kenneth R. Koehler
 Project Manager

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SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33875

(800) 633-4022 NELAP Accredited FDOH# 25345 (863) 655-4022

For: Hardee County
 Solid Waste Department
 685 Airport Road
 Wauchula, FL 33873-
 Attn: J.R. Prestridge

07/18/2006
 Page 1 of 5

Laboratory Number: 262945

Project: HCSW
 Location: Landfill
 Sample ID: Leachate
 Sampled By: K. Hayes on 06/05/2006 @ 1345
 Received: 06/05/2006 @ 1450

REPORT OF ANALYSIS

FIELD DATA

Temperature 29.3 deg. C
 pH 6.55 S.U.
 Conductivity 849 umho/cm
 Dissolved Oxygen 1.67 mg/L
 Color & Sheen Color

LABORATORY DATA

Parameter	Result	Units	Method	Analyst	Date/Time of Analysis	MDL
Total Dissolved Solids	468.	mg/L	EPA 150.1	H. Turner	06/07/2005 @ 0917	10
Alkalinity	283.	mg/L	EPA 310.1	T. Heath	06/08/2005 @ 0930	0.5
Chloride	67.	mg/L	EPA 325.3	T. Heath	06/09/2005 @ 1105	0.5
Ammonia Nitrogen (NH3-N)	10.4	mg/L	EPA 350.1	E. Boyd	06/16/2005 @ 1400	0.04
Nitrite Nitrogen (NO2-N)	0.010	mg/L	EPA 353.2	E. Boyd	06/05/2005 @ 1419	0.01
Nitrate Nitrogen (NO3-N)	0.10	mg/L	Calc.	E. Boyd	06/12/2006 @ 1200	0.02
Nitrate + Nitrite N (NO2+NO3)	0.10	mg/L	EPA 353.2	E. Boyd	06/12/2006 @ 1200	0.02
Silver	0.01L	mg/L	EPA 200.7	C. Martinez	06/27/2005 @ 1520	0.01
Arsenic	0.0141	mg/L	EPA 200.7	C. Martinez	07/10/2006 @ 1437	0.005
Barium	0.050	mg/L	EPA 200.7	C. Martinez	07/10/2006 @ 1437	0.002
Beryllium	0.0005	mg/L	EPA 200.7	C. Martinez	07/10/2006 @ 1437	0.0005
Cadmium	0.0010	mg/L	EPA 200.7	C. Martinez	07/10/2006 @ 1437	0.001

U = Parameter was analyzed for but not detected

L = Result is less than the PQL and greater than or equal to the MDL

Respectfully Submitted,
 Kenneth Koehler
 Project Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 833-4022 NELAP Accredited FDOH# 85845 (863) 655-4022

For: Hardee County
 Solid Waste Department
 685 Airport Road
 Wauchula, FL 33873-
 Attn: J.R. Frestridge

07/18/2006
 Page 2 of 5

Laboratory Number: 262946

Project: HC6W
 Location: Landfill
 Sample ID: Leachate
 Sampled By: K. Hayes on 06/05/2006 @ 1345
 Received: 06/05/2006 @ 1450

REPORT OF ANALYSIS

LABORATORY DATA

Parameter	Result	Units	Method	Analyst	Date/Time of Analysis	MDL
Cobalt	0.0011	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.001
Chromium	0.005	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.001
Copper	0.0020	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.002
Iron	85.9	mg/L	EPA 200.7	G. Martinez	06/27/2006 @ 1520	0.005
Sodium	45.8	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.05
Nickel	0.0041	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.002
Lead	0.0030	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.003
Antimony	0.0042	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.002
Selenium	0.0060	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.005
Vanadium	0.011	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.002
Zinc	0.0091	mg/L	EPA 200.7	G. Martinez	07/10/2006 @ 1437	0.004
Mercury	0.00020	mg/L	EPA 245.1	G. Martinez	06/16/2006 @ 0840	0.0002
Thallium	0.0021	mg/L	EPA 279.2	G. Martinez	06/20/2006 @ 0833	0.001
Acetone	1.80	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	1.6
Acrylonitrile	0.510	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	0.51
Benzene	0.40	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	0.19
Bromochloromethane	0.500	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	0.50
Bromodichloromethane	0.190	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	0.18
Trichloroethane	1.90	ug/L	EPA 8260	EB4096	05/09/2006 @ 0900	1.8

U = Parameter was analyzed for but not detected

I = Result is less than the PQL and greater than or equal to the MDL

Respectfully Submitted,
 Kenneth Koehler
 Project Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 833-4022 NELAP Accredited FDOH# 858-E (863) 555-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/18/2006
Page 3 of 5

Laboratory Number: 262946

Project: HCSW
Location: Landfill
Sample ID: Leachate
Sampled By: K. Hayes on 06/05/2006 @ 1345
Received: 06/05/2006 @ 1450

REPORT OF ANALYSIS

LABORATORY DATA

Parameter	Result	Units	Method	Analyst	Date/Time of Analysis	MDL
Carbon Disulfide	0.15U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.15
Carbon Tetrachloride	0.13U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.13
Chlorobenzene	0.30	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.17
Chloroethane	0.21U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.21
Trichloroethane	0.17U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.17
Dibromochloroethane	0.37U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.37
1,2-Dichloro-3-Chloropropane	1.9U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	1.9
1,2-Dichloroethane	0.64U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.64
1,2-Dichlorobenzene	0.13U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.13
1,4-Dichlorobenzene	0.14U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.14
2,1,4-Dichloro-2-Butene	0.96U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.96
1,1-Dichloroethane	0.12U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.12
1,2-Dichloroethane	0.21U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.21
1,1-Dichloroethene	0.13U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.13
cis-1,2-Dichloroethene	0.19U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.19
trans-1,2-Dichloroethene	0.21U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.21
1,2-Dichloropropane	0.27U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.27
cis-1,3-Dichloropropane	0.18U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.18
trans-1,3-Dichloropropane	0.37U	ug/L	EPA 8260	EB4098	06/05/2006 @ 0900	0.37

U = Parameter was analyzed for but not detected

I = Result is less than the PQL and greater than or equal to the MDL

Respectfully Submitted,
Kenneth Koehler
Project Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(300) 833-4022 NELAP Accredited FDOH# 85845 (263) 655-4023

For: Hardee County
 Solid Waste Department
 685 Airport Road
 Wuchula, FL 33873-
 Attn: J.R. Prestridge

07/18/2006

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Laboratory Number: 262946

Project: HCSW
 Location: Landfill
 Sample ID: Leachate
 Sampled By: K. Hayes on 06/05/2006 @ 1345
 Received: 06/05/2006 @ 1450

REPORT OF ANALYSIS

LABORATORY DATA

Parameter	Result	Units	Method	Analyst	Date/Time of Analysis	MDL
Ethylbenzene	0.18U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.18
2-hexanone	0.77U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.77
Bromomethane	0.23U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.23
Chloromethane	0.29U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.29
Dichloromethane	1.2U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	1.2
Dichloromethane	0.49U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.49
2-Butanone	0.62U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.62
Iodomethane	0.44U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.44
4-Methyl-2-Pentanone	0.84U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.84
Styrene	0.15U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.15
1,1,1,2-Tetrachloroethane	0.49U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.49
1,1,2,2-Tetrachloroethane	0.49U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.49
Tetrachloroethene	0.18U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.18
Toluene	0.21U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.21
1,1,1-Trichloroethane	0.19U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.19
1,1,2-Trichloroethane	0.53U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.53
Trichloroethene	0.12U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.12
Trichlorofluoroethane	0.17U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.17
1,1,2-Trichloropropane	0.33U	ug/L	EPA 8260	E84098	06/09/2006 @ 0900	0.33

U = Parameter was analyzed for but not detected

I = Result is less than the PQL and greater than or equal to the MDL

Respectfully Submitted,
 Kenneth Koehler
 Project Manager

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 333-4022 NELAP Accredited FDOH# 85845 (863) 655-4022

For: Hardee County
 Solid Waste Department
 685 Airport Road
 Wauchula, FL 33873-
 Attn: J.R. Prestridgn

07/18/2006
 Page 5 of 5

Laboratory Number: 262946

Project: HCSW
 Location: Landfill
 Sample ID: Leachate
 Sampled By: K. Hayes on 06/05/2006 @ 1345
 Received: 06/05/2006 @ 1450

REPORT OF ANALYSIS

LABORATORY DATA

Parameter	Result	Units	Method	Analyst	Date/Time of Analysis	MDL
Vinyl Acetate	0.42U	ug/L	EPA 8260	EE409B	06/09/2006 @ 0900	0.42
Vinyl Chloride	0.19U	ug/L	EPA 8260	EE409B	06/09/2006 @ 0900	0.19
Xylenes	0.41U	ug/L	EPA 8250	EE409B	06/09/2006 @ 0900	0.41

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Respectfully Submitted,
 Kenneth Koehler
 Project Manager