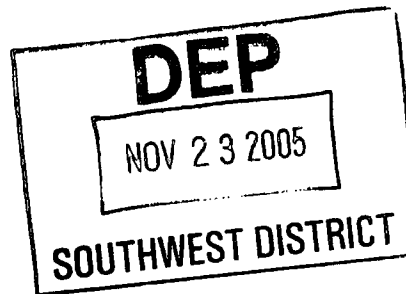


# JONES EDMUNDS

21375

Leachate  
Effluent



November 15, 2005

Mr. John Morris, P.G.  
Florida Department of Environmental Protection - Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

RE: Quarterly Leachate Sampling – Fourth Quarter 2005  
Citrus County Landfill  
Permit No. 21375-008-SO/01  
Jones Edmunds Project No. 03860-022-01

Dear Mr. Morris:

This report presents data from the Fourth Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on October 26, 2005.

The Leachate Effluent was sampled for the quarterly parameters as required by the permit

Monthly Operating Reports (July, August, and September) and Weekly Leachate Effluent Analytical Reports will be forwarded under separate cover.

If you have any questions regarding this report, please contact us at (352) 377-5821.

Sincerely,

A handwritten signature in black ink, appearing to read "John D. Locklear".

John D. Locklear  
Project Manager

M:\EnvDocs\Citrus County\2005\05q4\05q4leachate letter.doc

xc: Susan Metcalfe, P.G.

Attachments

730 NE Waldo Rd  
Gainesville, FL 32641

352.377.5821 Phone  
352-377.3166 Fax  
www.jonesedmunds.com

DEP Form # 62-522.600 (2)
Form Title: GROUNDWATER MONITORING REPORT
Effective Date: _____
DEP Application Date: _____

Florida Department of Environmental Protection  
 Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

# GROUNDWATER MONITORING REPORT

## Rule 62-522.600 (11)

**Part I GENERAL INFORMATION**

(1) Facility Name	Citrus County Central Landfill		
Address	P.O. Box 340		
City	Lecanto, Florida	Zip	34460-
Telephone Number	_____		
(2) The GMS Identification Number	SWD/09/39859		
(3) DEP Permit Number	21375-008-SO/01		
(4) Authorized Representative Name	Susan Metcalfe, P.G., Director, Division of Solid Waste		
Address	P.O. Box 340		
City	Lecanto, Florida	Zip	34460-0340
Telephone Number	(352) 527-7671		
(5) Type of Discharge	Landfill		
(6) Method of Discharge	Groundwater		

**Certification**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 11/18/05 \_\_\_\_\_  
Signature of Owner or Authorized Representative

**PART II QUALITY ASSURANCE REQUIREMENTS**

Sample Organization	CompQAP #	DEP SOP 001/01
Analytical Lab	CompQAP #/HRS Certification #	E83182
	CompQAP #/HRS Certification #	_____
Lab Name	Environmental Conservation Laboratories, Inc.	
Address	10775 Central Point, Orlando, Florida 32824	
Phone Number	(407) 826-5314	

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility GMS #:** SWD/09/39859

**Test Site ID #:** 175

**Well Name:** Leachate Effluent

**Classification of Ground Water:** GII

**Ground Water Elevation (NGVD):**

**Sampling Date/Time:** 10/26/05 1:40:00 PM

**Report Period:** FOURTH QUARTER 2005

**Well Purged:**

- Well Type:** [ ] Background  
 [ ] Intermediate  
 [ ] Compliance  
 [ ] Other  
 [ ] Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
00094	CONDUCTIVITY (FIELD)	E	No	EPA 120.1	10/26/05 1:40:00 PM	2514	µmhos/cm	
00406	pH (FIELD)	E	No	EPA 150.1	10/26/05 1:40:00 PM	8.42	S.U.	
70300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	11/04/05 3:38:00 PM	1560	mg/L	10mg/L
00010	TEMPERATURE (FIELD)	E	No	EPA 170.1	10/26/05 1:40:00 PM	19.68	Deg. C	
82078	TURBIDITY (FIELD)	E	No	EPA 180.1	10/26/05 1:40:00 PM	0.92	NTU	
00929	SODIUM	E	No	EPA 273.1	10/31/05	430.	mg/L	.1388mg/L
00940	CHLORIDE	E	No	EPA 300	11/02/05 1:09:00 PM	586.	mg/L	.5mg/L
00299	DISSOLVED OXYGEN (FIELD)	E	No	EPA 360.1	10/26/05 1:40:00 PM	4.46	mg/L	
38760	1,2-DIBROMO-3-CHLOROPROPANE	E	No	EPA 8011	11/07/05 4:13:00 PM	<0.002	µg/L	.002µg/L
77651	1,2-DIBROMOETHANE (EDB)	E	No	EPA 8011	11/07/05 4:13:00 PM	<0.003	µg/L	.003µg/L
34536	1,2-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.3	µg/L	.3µg/L
34566	1,3-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.2	µg/L	.2µg/L
34571	1,4-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.2	µg/L	.2µg/L
78124	BENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.1	µg/L	.1µg/L
34301	CHLOROBENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.1	µg/L	.1µg/L
34371	ETHYLBENZENE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.3	µg/L	.3µg/L
77134	M&P- XYLENES	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.3	µg/L	.3µg/L
22417	MTBE	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.4	µg/L	.4µg/L
77135	O-XYLENES	E	No	EPA 8260	10/31/05 7:16:00 PM	<0.6	µg/L	.6µg/L
78131	TOLUENE	E	No	EPA 8260	10/31/05 7:16:00 PM	0.3	µg/L	.2µg/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: EQUBLK (05Q4CCEQBLEACH)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 10/26/05 1:55:00 PM

Report Period: FOURTH QUARTER 2005

Well Purged:

Well Type: [ ] Background  
 [ ] Intermediate  
 [ ] Compliance  
 [ ] Other  
 [ ] Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
70300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	11/04/05 3:38:00 PM	24.0	mg/L	10mg/L
00929	SODIUM	E	No	EPA 273.1	10/31/05	<0.010	mg/L	.01mg/L
00940	CHLORIDE	E	No	EPA 300	10/31/05 9:02:00 PM	1.1	mg/L	.05mg/L
38760	1,2-DIBROMO-3-CHLOROPROPANE	E	No	EPA 8011	11/07/05 4:24:00 PM	<0.002	µg/L	.002µg/L
77651	1,2-DIBROMOETHANE (EDB)	E	No	EPA 8011	11/07/05 4:24:00 PM	<0.003	µg/L	.003µg/L
34536	1,2-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.3	µg/L	.3µg/L
34566	1,3-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.2	µg/L	.2µg/L
34571	1,4-DICHLOROBENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.2	µg/L	.2µg/L
78124	BENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.1	µg/L	.1µg/L
34301	CHLOROBENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.1	µg/L	.1µg/L
34371	ETHYLBENZENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.3	µg/L	.3µg/L
77134	M&P- XYLENES	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.3	µg/L	.3µg/L
22417	MTBE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.4	µg/L	.4µg/L
77135	O-XYLENES	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.6	µg/L	.6µg/L
78131	TOLUENE	E	No	EPA 8260	10/31/05 7:46:00 PM	<0.2	µg/L	.2µg/L

# Citrus County Central Landfill Parameter Monitoring Report

**PART III Analytical Results**

**Facility GMS #: SWD/09/39859**

**Test Site ID #:**

**Well Name: TRIP (05Q4CCTB)**

**Classification of Ground Water:**

**Ground Water Elevation (NGVD):**

**Sampling Date/Time: 10/26/05**

**Report Period: FOURTH QUARTER 2005**

**Well Purged:**

- Well Type:** [ ] Background  
 [ ] Intermediate  
 [ ] Compliance  
 [ ] Other  
 [ ] Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
38760	1,2-DIBROMO-3-CHLOROPROPANE		No	EPA 8011	11/07/05 4:35:00 PM	<0.002	µg/L	.002µg/L
77651	1,2-DIBROMOETHANE (EDB)		No	EPA 8011	11/07/05 4:35:00 PM	<0.003	µg/L	.003µg/L
34536	1,2-DICHLOROBENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.3	µg/L	.3µg/L
34566	1,3-DICHLOROBENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.2	µg/L	.2µg/L
34571	1,4-DICHLOROBENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.2	µg/L	.2µg/L
78124	BENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.1	µg/L	.1µg/L
34301	CHLOROBENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.1	µg/L	.1µg/L
34371	ETHYLBENZENE		No	EPA 8260	11/01/05 5:49:00 PM	<0.3	µg/L	.3µg/L
77134	M&P- XYLENES		No	EPA 8260	11/01/05 5:49:00 PM	<0.3	µg/L	.3µg/L
22417	MTBE		No	EPA 8260	11/01/05 5:49:00 PM	<0.4	µg/L	.4µg/L
77135	O-XYLENES		No	EPA 8260	11/01/05 5:49:00 PM	<0.6	µg/L	.6µg/L
78131	TOLUENE		No	EPA 8260	11/01/05 5:49:00 PM	0.6 I	µg/L	.2µg/L

Environmental Conservation Laboratories, Inc.  
10775 Central Port Drive  
Orlando, Florida 32824-7009  
407 / 826-5314  
Fax 407 / 850-6945  
www.encolabs.com



Laboratories

DHRS Certification No. E83182

**CLIENT :** Jones Edmunds & Associates, Inc.  
**ADDRESS:** 730 N.E.Waldo Road  
Bldg.A  
Gainesville, FL 32641

**REPORT # :** ORL39513  
**DATE SUBMITTED:** October 28, 2005  
**DATE REPORTED :** November 9, 2005

**ATTENTION:** Tim Cully

**SAMPLE IDENTIFICATION**

Samples submitted and  
identified by client as:

REFERENCE: CITRUS CO.

03860-018-01

10/26/05

ORL39513-1	: LEACH EFF (05Q4CCLE)	@ 13:40
ORL39513-2	: EQB#1 (LEACH) (05Q4CCEQBLEACH)	@ 13:55
ORL39513-3	: EQB#2 (GW) (05S2CC1REQB (RES))	@ 14:40
ORL39513-4	: MW-1-R (05S2CC1R (RES))	@ 16:21
ORL39513-5	: TRIP BLANK (05Q4CCTB)	

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 (June, 2003). 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.

Note: Data within this document has been reported to the laboratory Method Detection Limit (MDL). Where positive results are obtained at levels below the lowest calibration standard, an appropriate qualifier has been assigned.

PROJECT MANAGER

Kelly Samples

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED** : NOVEMBER 08, 2005  
**REFERENCE** : 03860-018-01  
**PROJECT NAME** : CITRUS CO LF

**RESULTS OF ANALYSIS**

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFFLUENT	SPEC COND-FIELD	2514	umhos/cm	EPA 120.1
LEACHATE EFFLUENT	PH-FIELD	8.42	S.U.	EPA 150.1
LEACHATE EFFLUENT	TOTAL DIS. SOLIDS	1560	mg/L	EPA 160.1
LEACHATE EFFLUENT	TEMP-FIELD	19.68	Deg. C	EPA 170.1
LEACHATE EFFLUENT	TURBIDITY-FIELD	.92	NTU	EPA 180.1
LEACHATE EFFLUENT	SODIUM	430.	mg/L	EPA 273.1
LEACHATE EFFLUENT	CHLORIDE	586.	mg/L	EPA 300
LEACHATE EFFLUENT	DISSOLVED OXYGEN	4.46	mg/L	EPA 360.1
LEACHATE EFFLUENT	DIBROMOCHLOROPROPANE	<0.002	ug/L	EPA 8011
LEACHATE EFFLUENT	ETHYLENE DIBROMIDE	<0.003	ug/L	EPA 8011
LEACHATE EFFLUENT	1,2-DICHLOROBENZENE	<0.3	ug/L	EPA 8260
LEACHATE EFFLUENT	1,3-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
LEACHATE EFFLUENT	1,4-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
LEACHATE EFFLUENT	BENZENE	<0.1	ug/L	EPA 8260
LEACHATE EFFLUENT	CHLOROBENZENE	<0.1	ug/L	EPA 8260
LEACHATE EFFLUENT	ETHYLBENZENE	<0.3	ug/L	EPA 8260
LEACHATE EFFLUENT	M-XYLENE & P-XYLENE	<0.3	ug/L	EPA 8260
LEACHATE EFFLUENT	METHYL TERT-BUTYL ETHER	<0.4	ug/L	EPA 8260
LEACHATE EFFLUENT	O-XYLENE	<0.6	ug/L	EPA 8260
LEACHATE EFFLUENT	TOLUENE	0.3 I	ug/L	EPA 8260

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED** : NOVEMBER 08, 2005  
**REFERENCE** : 03860-018-01  
**PROJECT NAME** : CITRUS CO LF

**RESULTS OF ANALYSIS**

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
EQB#1 (LEACH)	TOTAL DIS. SOLIDS	24.0	mg/L	EPA 160.1
EQB#1 (LEACH)	SODIUM	<0.010	mg/L	EPA 273.1
EQB#1 (LEACH)	CHLORIDE	1.1	mg/L	EPA 300
EQB#1 (LEACH)	DIBROMOCHLOROPROPANE	<0.002	ug/L	EPA 8011
EQB#1 (LEACH)	ETHYLENE DIBROMIDE	<0.003	ug/L	EPA 8011
EQB#1 (LEACH)	1,2-DICHLOROBENZENE	<0.3	ug/L	EPA 8260
EQB#1 (LEACH)	1,3-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
EQB#1 (LEACH)	1,4-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
EQB#1 (LEACH)	BENZENE	<0.1	ug/L	EPA 8260
EQB#1 (LEACH)	CHLOROBENZENE	<0.1	ug/L	EPA 8260
EQB#1 (LEACH)	ETHYLBENZENE	<0.3	ug/L	EPA 8260
EQB#1 (LEACH)	M-XYLENE & P-XYLENE	<0.3	ug/L	EPA 8260
EQB#1 (LEACH)	METHYL TERT-BUTYL ETHER	<0.4	ug/L	EPA 8260
EQB#1 (LEACH)	O-XYLENE	<0.6	ug/L	EPA 8260
EQB#1 (LEACH)	TOLUENE	<0.2	ug/L	EPA 8260



ENCO LABORATORIES

REPORT # : ORL39513  
DATE REPORTED : NOVEMBER 08, 2005  
REFERENCE : 03860-018-01  
PROJECT NAME : CITRUS CO LF

RESULTS OF ANALYSIS

<u>STATION NAME</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>	<u>METHOD</u>
EQB#2 (GW)	TOTAL DIS. SOLIDS	16.0	mg/L	EPA 160.1
EQB#2 (GW)	CHLORIDE	1.6	mg/L	EPA 300

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED** : NOVEMBER 08, 2005  
**REFERENCE** : 03860-018-01  
**PROJECT NAME** : CITRUS CO LF

**RESULTS OF ANALYSIS**

<b>STATION NAME</b>	<b>PARAMETER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>
MW-1-R	SPEC COND-FIELD	142	umhos/cm	EPA 120.1
MW-1-R	PH-FIELD	5.61	S.U.	EPA 150.1
MW-1-R	TOTAL DIS. SOLIDS	116.	mg/L	EPA 160.1
MW-1-R	TEMP-FIELD	24.17	Deg. C	EPA 170.1
MW-1-R	TURBIDITY-FIELD	1.29	NTU	EPA 180.1
MW-1-R	CHLORIDE	3.8	mg/L	EPA 300
MW-1-R	DISSOLVED OXYGEN	4.1	mg/L	EPA 360.1

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED** : NOVEMBER 08, 2005  
**REFERENCE** : 03860-018-01  
**PROJECT NAME** : CITRUS CO LF

**RESULTS OF ANALYSIS**

<b>STATION NAME</b>	<b>PARAMETER</b>	<b>RESULT</b>	<b>UNITS</b>	<b>METHOD</b>
TRIP BLANK	DIBROMOCHLOROPROPANE	<0.002	ug/L	EPA 8011
TRIP BLANK	ETHYLENE DIBROMIDE	<0.003	ug/L	EPA 8011
TRIP BLANK	1,2-DICHLOROBENZENE	<0.3	ug/L	EPA 8260
TRIP BLANK	1,3-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
TRIP BLANK	1,4-DICHLOROBENZENE	<0.2	ug/L	EPA 8260
TRIP BLANK	BENZENE	<0.1	ug/L	EPA 8260
TRIP BLANK	CHLOROBENZENE	<0.1	ug/L	EPA 8260
TRIP BLANK	ETHYLBENZENE	<0.3	ug/L	EPA 8260
TRIP BLANK	M-XYLENE & P-XYLENE	<0.3	ug/L	EPA 8260
TRIP BLANK	METHYL TERT-BUTYL ETHER	<0.4	ug/L	EPA 8260
TRIP BLANK	O-XYLENE	<0.6	ug/L	EPA 8260
TRIP BLANK	TOLUENE	0.61	ug/L	EPA 8260

ENCO LABORATORIES

REPORT # : ORL39513  
 DATE REPORTED: November 9, 2005  
 REFERENCE : CITRUS CO.  
 PROJECT NAME : 03860-018-01

PAGE 1 OF 5

RESULTS OF ANALYSIS

**EPA METHOD 8260 -  
 VOLATILE ORGANICS**

	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	0.4 U	ug/L
Benzene	0.1 U	ug/L
Toluene	0.2 U	ug/L
Chlorobenzene	0.1 U	ug/L
Ethylbenzene	0.3 U	ug/L
m-Xylene & p-Xylene	0.3 U	ug/L
o-Xylene	0.6 U	ug/L
1,2-Dichlorobenzene	0.3 U	ug/L
1,3-Dichlorobenzene	0.2 U	ug/L
1,4-Dichlorobenzene	0.2 U	ug/L
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Bromofluorobenzene	80	60-135
Dibromofluoromethane	74	52-149
D8-Toluene	78	70-132
Date Analyzed	10/31/05 12:18	

**EPA METHOD 8011 -  
 EDB & DBCP by GC/ECD**

	<u>LAB BLANK</u>	<u>Units</u>
Ethylene Dibromide	0.003 U	ug/L
Dibromochloropropane	0.002 U	ug/L
Date Prepared	11/05/05	
Date Analyzed	11/05/05 19:20	

**TOTAL METALS**

**METHOD**

**LAB BLANK**

**Units**

Sodium	273.1	0.010 U	mg/L
Date Analyzed		10/31/05	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : ORL39513  
DATE REPORTED: November 9, 2005  
REFERENCE : CITRUS CO.  
PROJECT NAME : 03860-018-01

PAGE 2 OF 5

RESULTS OF ANALYSIS

EPA METHOD 300 -  
Anions by IC

	<u>LAB BLANK</u>	<u>Units</u>
Chloride	0.050 U	mg/L
Date Analyzed	10/31/05 20:07	

MISCELLANEOUS

METHOD

		<u>LAB BLANK</u>	<u>Units</u>
Total Dis. Solids	160.1	10.0 U	mg/L
Date Prepared		11/02/05 16:55	
Date Analyzed		11/04/05 15:38	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED:** November 9, 2005  
**REFERENCE** : CITRUS CO.  
**PROJECT NAME** : 03860-018-01

**PAGE 3 OF 5**

**RESULTS OF ANALYSIS****EPA METHOD 8260 -  
VOLATILE ORGANICS**

	<b><u>LAB BLANK</u></b>	<b><u>Units</u></b>
Methyl tert-butyl ether	0.4 U	ug/L
Benzene	0.1 U	ug/L
Toluene	0.2 U	ug/L
Chlorobenzene	0.1 U	ug/L
Ethylbenzene	0.3 U	ug/L
m-Xylene & p-Xylene	<b>0.6 I</b>	ug/L
o-Xylene	0.6 U	ug/L
1,2-Dichlorobenzene	0.3 U	ug/L
1,3-Dichlorobenzene	0.2 U	ug/L
1,4-Dichlorobenzene	0.2 U	ug/L
<b><u>Surrogate:</u></b>	<b><u>% RECOV</u></b>	<b><u>LIMITS</u></b>
Bromofluorobenzene	98	60-135
Dibromofluoromethane	63	52-149
D8-Toluene	77	70-132
Date Analyzed	11/01/05 12:47	

U = Compound was analyzed for but not detected to the level shown.  
I = Analyte detected; value is between the Method Detection Level (MDL)  
and the Method Quantitation Level (MQL).

**ENCO LABORATORIES**

**REPORT #** : ORL39513  
**DATE REPORTED**: November 9, 2005  
**REFERENCE** : CITRUS CO.  
**PROJECT NAME** : 03860-018-01

**PAGE 4 OF 5**

**LABORATORY CERTIFICATIONS**

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : ORL39513  
 DATE REPORTED: November 9, 2005  
 REFERENCE : CITRUS CO.  
 PROJECT NAME : 03860-018-01

PAGE 5 OF 5

QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY LCS/MS/MSD</u>	<u>LCS LIMITS</u>	<u>MS/MSD LIMITS</u>	<u>RPD MS/MSD</u>	<u>RPD LIMITS</u>
<u>EPA Method 8260</u>					
1,1-Dichloroethene	80/ 77/ 82	49-156	36-185	6	34
Benzene	82/ 81/ 79	64-132	65-143	2	25
Trichloroethene	88/ 92/ 85	66-130	51-152	8	28
Toluene	83/ 82/ 78	58-132	62-144	5	24
Chlorobenzene	74/ 75/ 69	68-135	64-140	8	23
<u>EPA Method 8260</u>					
1,1-Dichloroethene	66/ 71/ 70	49-156	36-185	1	34
Benzene	83/ 84/ 84	64-132	65-143	<1	25
Trichloroethene	85/ 89/ 88	66-130	51-152	1	28
Toluene	103/104/103	58-132	62-144	<1	24
Chlorobenzene	92/ 97/ 94	68-135	64-140	3	23
<u>EPA Method 8011</u>					
Ethylene Dibromide	100/104/104	53-154	57-130	<1	18
Dibromochloropropane	68/100/ 92	38-163	60-130	8	20
<u>TOTAL METALS</u>					
Sodium, 273.1	89/100/102	84-111	63-133	2	15
<u>EPA Method 300</u>					
Chloride	94/ 96/ 92	90-110	51-149	4	26
<u>MISCELLANEOUS</u>					
Total Dis. Solids, 160.1	104/ NA/ NA	86-118	NA	NA	NA

< = Less Than  
 MS = Matrix Spike  
 MSD = Matrix Spike Duplicate  
 NA = Not applicable  
 LCS = Laboratory Control Standard  
 RPD = Relative Percent Difference



# Environmental Conservation Laboratories, Inc. Login Sample Disposition Form

Client Name: JEA Login #: ORL39513  
 Proj. Name: #03860-018-01 Citrus Co. LF Date Rec'd: 10/28/05 Logged By: KC

Samples received via: Client Drop-off      Lab Pickup      Courier Greyhound  
LIST AND ATTACH BILLS

### Container Descriptions and Preservation

Indicate presv. type and # of each

Containers	None	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	Other
1 L Glass						
1 L Plastic						
500 ml Plastic						
250 ml Plastic	4		2			
250 ml Glass						
4 oz Jars						
40 ml Vial	8	6				
Other						

### Receiving Temperatures

Total Number of Coolers: 1

Cooler Number	Receipt Temperature		
<u>Med. Rtw 6°</u>	<u>2-6°</u>	<u>On Ice</u>	No Ice
	2-6°	On Ice	No Ice
	2-6°	On Ice	No Ice
	2-6°	On Ice	No Ice
	2-6°	On Ice	No Ice
	2-6°	On Ice	No Ice

Provide details of "No Ice" in Notification/Comments.

### Sample Receipt Disposition

- |  |            |           |            |
|--|------------|-----------|------------|
| 1. Were sample containers received intact?                 | <u>Yes</u> | No        |            |
| 2. Were sample containers properly preserved?              | <u>Yes</u> | No        |            |
| 3. Were proper containers used for analyses requested?     | <u>Yes</u> | No        |            |
| 4. Do sample labels match Chain-of-Custody record?         | <u>Yes</u> | No        |            |
| 5. Were samples received under custody seal?               | <u>Yes</u> | No        |            |
| 6. If received under custody seal, were all seals intact?  | <u>Yes</u> | No        | N/A        |
| 7. Were volatile containers preserved (check labels only)? | <u>Yes</u> | No        | N/A        |
| 8. Were aqueous volatile samples headspace-free?           | Yes        | <u>No</u> | N/A        |
| 9. Were aqueous samples checked for residual chlorine?     | Yes        | No        | <u>N/A</u> |
| 10. Were all samples specified in the prelog received?     | <u>Yes</u> | No        | N/A        |

Any discrepancies must be noted below and approved by lab management.

### Client Notification

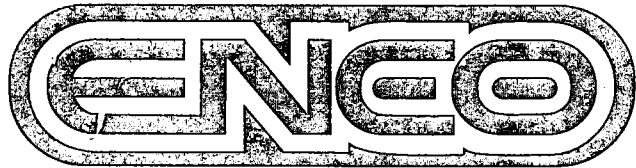
- Does client need to be notified? Yes      No
- Who notified client? \_\_\_\_\_
- Who was notified? \_\_\_\_\_
- When? \_\_\_\_\_ by: Phone      Fax      Mail
- Client requests following action(s) be taken:
  - \_\_\_\_\_ Continue analysis and report disposition in final report.
  - \_\_\_\_\_ Cancel affected analyses only (identify in comments below).
  - \_\_\_\_\_ Cancel all analyses.
  - \_\_\_\_\_ Other (explain in comments below).

### Comments

### Project Status

- Samples received into lab.  
   Samples rejected

KC      11/2  
APPROVED BY      DATE



# ENVIRONMENTAL CONSERVATION LABORATORIES

QSARF # P27168

4810 Executive Park Court, Suite 211  
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 Orlando, Florida 32824  
 Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way  
 Cary, North Carolina 27513  
 Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

## CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <b>Citrus Co. LANDFILL</b>		PROJECT NO. <b>03860-018-01</b>	P.O. NUMBER _____	MATRIX TYPE		REQUIRED ANALYSIS		PAGE <b>1</b>	OF <b>1</b>		
PROJECT LOC. (State) <b>FLA</b>	SAMPLER(S) NAME <b>E SWANEY</b>	PHONE <b>377 5821</b>	FAX _____	SURFACE WATER GROUND WATER WASTEWATER DRINKING WATER SOIL/SOLIDIFIED NONAQUEOUS LIQUID (oil solvent, etc.) AIR SLUDGE OTHER	<b>Sodium Chloride</b> <b>SOIL, PZ60-Aron</b> <b>Chloride, TDS</b>	<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY <input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____		PRESERVATIVE NUMBER OF CONTAINERS SUBMITTED		REMARKS	
CLIENT NAME <b>Jones + Edmunds</b>		CLIENT PROJECT MANAGER <b>T Cully</b>									
CLIENT ADDRESS (CITY, STATE, ZIP) <b>730 NE WARD RD GAINESVILLE FL 32641</b>											
SAMPLE											
STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION		PRESERVATIVE		NUMBER OF CONTAINERS SUBMITTED		REMARKS
1	10-26-05	1340	X		leachate Effluent						
2		1355	X		EAB*1 (Leach)						
3		1440	X		EAB*2 (GW)						
4		1621	X		MU-1-R TRIP						
5					Blank						
6											
7											
8											
9											
10											
11											
12											
13											
14											
SAMPLE KIT PREPARED BY: <input type="checkbox"/> JACKSONVILLE <input checked="" type="checkbox"/> ORLANDO <b>UP</b>		DATE <b>10/5/05</b>	TIME <b>15:20</b>	RELINQUISHED BY: (SIGNATURE) <b>Luis Ponte</b>		DATE <b>10/5/05</b>	TIME <b>15:20</b>	RECEIVED BY: (SIGNATURE) <b>[Signature]</b>		DATE <b>10/26/05</b>	TIME <b>1100</b>
RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>		DATE <b>10/26/05</b>	TIME <b>17:30</b>	RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
RECEIVED FOR LABORATORY BY: (SIGNATURE) <b>[Signature]</b>		DATE <b>10/28/05</b>	TIME <b>10:50</b>	CUSTODY INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	ENCO LOG NO. <b>ORL39513</b>	REMARKS <b>Greyhound OAMA -&gt; ORLANDO</b>					