



AUG 20 2002

August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060698

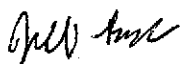
Dear Ms. Susan Gaze:

ELAB, Inc. received 1 sample on 6/25/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 4.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,


Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079

RECEIVED
DEC 18 2002
Central Dist. - DEP



2

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060698**Lab ID:** F02060698-001**Collection Date:** 6/25/02 9:00:00 AM**Client Sample ID:** N Leachate Pond**Sample Description:** 15844**Matrix:** Waste Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
Conductivity	1418			umhos/cm		6/25/02 9:00:00 AM
Dissolved Oxygen	6.1			mg/L		6/25/02 9:00:00 AM
pH	13.98			S.U.		6/25/02 9:00:00 AM
Temperature	27.7			deg C		6/25/02 9:00:00 AM
Turbidity	11.0			NTU		6/25/02 9:00:00 AM
ALKALINITY AS CaCO3						
	SM2320 B			PrepDate:		Analyst: SY
Alkalinity, Bicarbonate (As CaCO3)	310	5.0		mg/L CaCO3	1	6/26/02
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	290	2.5	*	mg/L	5	6/25/02 8:43:00 PM
Nitrogen, Nitrate	ND	0.25		mg/L	5	6/25/02 8:43:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	2.6	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 6/27/02 10:52:58 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	1000	5.0	*	mg/L	1	6/27/02
ICP METALS						
	SW6010			PrepDate: 6/28/02		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.011	0.0050		mg/L	1	6/28/02
Barium	0.0084	0.010	J	mg/L	1	6/28/02
Beryllium	0.00012	0.0010	J	mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0065	0.0050		mg/L	1	6/28/02
Cobalt	0.0036	0.010	J	mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	0.66	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	0.038	0.010		mg/L	1	6/28/02
Selenium	0.0028	0.0050	J	mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	220	0.50	*	mg/L	1	6/28/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

**ELAB, Inc.****Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060698**Lab ID:** F02060698-001**Collection Date:** 6/25/02 9:00:00 AM**Client Sample ID:** N Leachate Pond**Sample Description:** 15844**Matrix:** Waste Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
Vanadium	0.0059	0.010	J	mg/L	1	6/28/02
Zinc	0.012	0.020	J	mg/L	1	6/28/02
MERCURY						
	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
Thallium	0.00076	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060698

Lab ID: F02060698-001

Collection Date: 6/25/02 9:00:00 AM

Client Sample ID: N Leachate Pond

Sample Description: 15844

Matrix: Waste Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.3	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



Elab, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 • FAX (904)673-4001

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF STUDY RECORD

No. E 55114

Page 7 of 9

1. Client: (Company or Individual)

Volusia County SWM

2. Report to: (if different from above)

Susan Gabe

3. Client Project Name: Tanks LF - Semi annual

JUNE 2002

4. Client Project No.:

5. P.O. No.: PA75233

6. Custody Seal No.:

7. Sampled By:

8. Shipping Method:

Item	9. Sample ID or No.	10. Sample Description	11.		12.		13.		14. No. of Containers	15. Preservatives	16. Containers	17. Analyses Requested	18. Report Type:	19. Turnaround Time	20. REMARK	21. RELINQUISHED BY	22. RECEIVED BY	DATE	TIME	FOR LAB USE ONLY
			Date	Time	Comp.	Grab	Water (Codes)	Air												
1		H. Leachate Pond	6/25/02	0900					8									6/25/02	1605	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
21.	RELINQUISHED BY		DATE	TIME	RECEIVED BY		DATE	TIME	FOR LAB USE ONLY		SAMPLING FEE: _____		EQUIPMENT RENTAL FEE: _____		PROFILE NO.: _____		QUOTE NO.: _____		Hrs. _____	
1	Patricia Doolan		6/25/02	1605	JG		6/25/02	1605												
2																				
3																				
4																				

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

AUG 20 2002



August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060735

Dear Ms. Susan Gaze:

ELAB, Inc. received 7 samples on 6/27/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 27.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Baylor', written over a horizontal line.

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-001

Collection Date: 6/26/02 2:00:00 PM

Client Sample ID: SW-2

Sample Description: 15831

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Conductivity	518			umhos/cm		6/26/02 2:00:00 PM
Dissolved Oxygen	3.21			mg/L		6/26/02 2:00:00 PM
pH	7.92			S.U.		6/26/02 2:00:00 PM
Temperature	30.0			deg C		6/26/02 2:00:00 PM
Turbidity	7.81			NTU		6/26/02 2:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 4:54:00 PM
BOD, 5 DAY, 20°C	E405.1					
Biochemical Oxygen Demand	3.0	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1					
Organic Carbon, Total	13	1.0		mg/L	1	6/27/02
CHEMICAL OXYGEN DEMAND	E410.4					
Chemical Oxygen Demand	40	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H					
Chlorophyll a	18	1.0		mg/m³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1					
Nitrogen, Ammonia (As N)	0.050	0.050		mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	0.02	0.050	J	mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	0.96	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	0.94	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.05	0.10	J	mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
						6/27/02 10:52:58 AM Analyst: MMA

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



3

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-001**Collection Date:** 6/26/02 2:00:00 PM**Client Sample ID:** SW-2**Sample Description:** 15831**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					PrepDate: 6/27/02 10:52:58 AM Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	250	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2					PrepDate: 6/28/02 1:56:42 PM Analyst: MMA
Solids, Suspended (Residue, Non-Filterable)	7.9	5.0		mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					PrepDate: 7/1/02 Analyst: MCA
Beryllium	ND	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					PrepDate: 7/1/02 Analyst: EM
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2					PrepDate: 7/1/02 Analyst: MCA
Copper	0.00070	0.0010	J	mg/L	1	7/8/02
ICP METALS	E200.7					PrepDate: 6/28/02 Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.0030	0.0050	J	mg/L	1	6/28/02
Barium	0.031	0.010		mg/L	1	6/28/02
Chromium	0.00090	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0014	0.010	J	mg/L	1	6/28/02
Iron	0.22	0.040		mg/L	1	6/28/02
Nickel	0.0025	0.010	J	mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Sodium	31	0.50		mg/L	1	6/28/02
Thallium	0.0026	0.0050	J*	mg/L	1	6/28/02
Vanadium	0.0060	0.010	J	mg/L	1	6/28/02
Zinc	0.011	0.020	J	mg/L	1	6/28/02
Hardness, Total (as CaCO3)	150	1.2		mg/L	1	6/28/02
LEAD BY GFAA	E239.2					PrepDate: 7/1/02 Analyst: EM
Lead	0.00040	0.0010	J	mg/L	1	7/5/02 9:25:00 AM
MERCURY	E245.1					PrepDate: 7/1/02 Analyst: JAS
Mercury	ND	0.00010		mg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-001

Collection Date: 6/26/02 2:00:00 PM

Client Sample ID: SW-2

Sample Description: 15831

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SILVER BY GFAA	E272.2					
Silver	ND	0.000070		mg/L	1	7/10/02
504: EDB/DBCP	E504.1					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-001

Collection Date: 6/26/02 2:00:00 PM

Client Sample ID: SW-2

Sample Description: 15831

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060735-002

Collection Date: 6/26/02 1:00:00 PM

Client Sample ID: SW-3

Sample Description: 15832

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	273			umhos/cm		6/26/02 1:00:00 PM
Dissolved Oxygen	1.74			mg/L		6/26/02 1:00:00 PM
pH	6.74			S.U.		6/26/02 1:00:00 PM
Temperature	26.2			deg C		6/26/02 1:00:00 PM
Turbidity	7.23			NTU		6/26/02 1:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Nitrogen, Nitrate	0.02	0.050	J	mg/L	1	6/27/02 5:08:00 PM
BOD, 5 DAY, 20°C	E405.1			PrepDate: 6/28/02 11:30:00 AM		Analyst: SFI

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



6

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-002

Collection Date: 6/26/02 1:00:00 PM

Client Sample ID: SW-3

Sample Description: 15832

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BOD, 5 DAY, 20°C	E405.1					
Biochemical Oxygen Demand	2.2	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1					
Organic Carbon, Total	23	1.0		mg/L	1	6/27/02
CHEMICAL OXYGEN DEMAND	E410.4					
Chemical Oxygen Demand	74	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H					
Chlorophyll a	8.1	1.0		mg/m³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1					
Nitrogen, Ammonia (As N)	0.096	0.050		mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	0.01	0.050	J	mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	1.2	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	1.2	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.05	0.10	J	mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	120	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2					
Solids, Suspended (Residue, Non-Filterable)	4	5.0	J	mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					
Beryllium	ND	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-002

Collection Date: 6/26/02 1:00:00 PM

Client Sample ID: SW-3

Sample Description: 15832

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
COPPER BY GFAA	E220.2			PrepDate: 7/1/02		Analyst: MCA
Copper	0.0013	0.0010		mg/L	1	7/8/02
ICP METALS	E200.7			PrepDate: 6/28/02		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.011	0.010		mg/L	1	6/28/02
Chromium	0.0019	0.0050	J	mg/L	1	6/28/02
Cobalt	ND	0.010		mg/L	1	6/28/02
Iron	0.24	0.040		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Sodium	9.0	0.50		mg/L	1	6/28/02
Thallium	0.0026	0.0050	J*	mg/L	1	6/28/02
Vanadium	0.0031	0.010	J	mg/L	1	6/28/02
Zinc	0.029	0.020		mg/L	1	6/28/02
Hardness, Total (as CaCO3)	55	1.2		mg/L	1	6/28/02
LEAD BY GFAA	E239.2			PrepDate: 7/1/02		Analyst: EM
Lead	ND	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY	E245.1			PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00010		mg/L	1	7/3/02
SILVER BY GFAA	E272.2			PrepDate: 7/1/02		Analyst: MCA
Silver	ND	0.000070		mg/L	1	7/10/02
504: EDB/DBCP	E504.1			PrepDate: 7/5/02 5:00:00 AM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060735**Lab ID:** F02060735-002**Collection Date:** 6/26/02 1:00:00 PM**Client Sample ID:** SW-3**Sample Description:** 15832**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-002**Collection Date:** 6/26/02 1:00:00 PM**Client Sample ID:** SW-3**Sample Description:** 15832**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060735-003**Collection Date:** 6/26/02 2:15:00 PM**Client Sample ID:** SW-4**Sample Description:** 15833**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	483			umhos/cm		6/26/02 2:15:00 PM
Dissolved Oxygen	2.97			mg/L		6/26/02 2:15:00 PM
pH	7.99			S.U.		6/26/02 2:15:00 PM
Temperature	27.6			deg C		6/26/02 2:15:00 PM
Turbidity	9.14			NTU		6/26/02 2:15:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Nitrogen, Nitrate	0.02	0.050	J	mg/L	1	6/27/02 5:22:00 PM
BOD, 5 DAY, 20°C	E405.1			PrepDate: 6/28/02 11:30:00 AM		Analyst: SFI
Biochemical Oxygen Demand	2.5	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1			PrepDate:		Analyst: SFI
Organic Carbon, Total	14	1.0		mg/L	1	6/27/02
CHEMICAL OXYGEN DEMAND	E410.4			PrepDate:		Analyst: SFI
Chemical Oxygen Demand	39	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H			PrepDate: 6/27/02 11:47:00 AM		Analyst: SFI
Chlorophyll a	9.2	1.0		mg/m³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.072	0.050		mg/L	1	7/2/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-003

Collection Date: 6/26/02 2:15:00 PM

Client Sample ID: SW-4

Sample Description: 15833

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	0.02	0.050	J	mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	1.0	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	1.0	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.05	0.10	J	mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	240	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2					
Solids, Suspended (Residue, Non-Filterable)	5.4	5.0		mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					
Beryllium	ND	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2					
Copper	0.00060	0.0010	J	mg/L	1	7/8/02
ICP METALS	E200.7					
Antimony	0.0053	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.037	0.010		mg/L	1	6/28/02
Chromium	0.0012	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0015	0.010	J	mg/L	1	6/28/02
Iron	0.20	0.040		mg/L	1	6/28/02
Nickel	0.0044	0.010	J	mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02

Qualifiers: ND - Not Detected at the Reporting Limit
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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-003**Collection Date:** 6/26/02 2:15:00 PM**Client Sample ID:** SW-4**Sample Description:** 15833**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	E200.7					
				PrepDate: 6/28/02		Analyst: JAS
Sodium	29	0.50		mg/L	1	6/28/02
Thallium	0.0032	0.0050	J*	mg/L	1	6/28/02
Vanadium	0.010	0.010		mg/L	1	6/28/02
Zinc	0.012	0.020	J	mg/L	1	6/28/02
Hardness, Total (as CaCO3)	160	1.2		mg/L	1	6/28/02
LEAD BY GFAA						
	E239.2					
				PrepDate: 7/1/02		Analyst: EM
Lead	ND	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY						
	E245.1					
				PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00010		mg/L	1	7/3/02
SILVER BY GFAA						
	E272.2					
				PrepDate: 7/1/02		Analyst: MCA
Silver	ND	0.000070		mg/L	1	7/10/02
504: EDB/DBCP						
	E504.1					
				PrepDate: 7/5/02 5:00:00 AM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



12

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-003**Collection Date:** 6/26/02 2:15:00 PM**Client Sample ID:** SW-4**Sample Description:** 15833**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.5	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-004**Collection Date:** 6/26/02 4:00:00 PM**Client Sample ID:** SW-5**Sample Description:** 15638**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Conductivity	416			umhos/cm		6/26/02 4:00:00 PM
Dissolved Oxygen	1.59			mg/L		6/26/02 4:00:00 PM
pH	7.21			S.U.		6/26/02 4:00:00 PM
Temperature	28.8			deg C		6/26/02 4:00:00 PM
Turbidity	200			NTU		6/26/02 4:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 6:19:00 PM
BOD, 5 DAY, 20°C	E405.1					
Biochemical Oxygen Demand	7.2	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1					
Organic Carbon, Total	25	1.0		mg/L	1	7/5/02
CHEMICAL OXYGEN DEMAND	E410.4					
Chemical Oxygen Demand	55	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H					
Chlorophyll a	2.8	1.0		mg/m³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1					
Nitrogen, Ammonia (As N)	0.38	0.050		mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	0.02	0.050	J	mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	2.3	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	2.3	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.58	0.10		mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
						6/27/02 10:52:58 AM Analyst: MMA

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



12

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-004**Collection Date:** 6/26/02 4:00:00 PM**Client Sample ID:** SW-5**Sample Description:** 15638**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					PrepDate: 6/27/02 10:52:58 AM Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	260	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2					PrepDate: 6/28/02 1:56:42 PM Analyst: MMA
Solids, Suspended (Residue, Non-Filterable)	52	5.0		mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					PrepDate: 7/1/02 Analyst: MCA
Beryllium	0.00028	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					PrepDate: 7/1/02 Analyst: EM
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2					PrepDate: 7/1/02 Analyst: MCA
Copper	0.0019	0.0010		mg/L	1	7/8/02
ICP METALS	E200.7					PrepDate: 6/28/02 Analyst: JAS
Antimony	0.0046	0.0050	J	mg/L	1	6/28/02
Arsenic	0.0080	0.0050		mg/L	1	6/28/02
Barium	0.030	0.010		mg/L	1	6/28/02
Chromium	0.0018	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0014	0.010	J	mg/L	1	6/28/02
Iron	1.4	0.040	*	mg/L	1	6/28/02
Nickel	0.0038	0.010	J	mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Sodium	14	0.50		mg/L	1	6/28/02
Thallium	ND	0.0050		mg/L	1	6/28/02
Vanadium	0.018	0.010		mg/L	1	6/28/02
Zinc	0.015	0.020	J	mg/L	1	6/28/02
Hardness, Total (as CaCO3)	120	1.2		mg/L	1	6/28/02
LEAD BY GFAA	E239.2					PrepDate: 7/1/02 Analyst: EM
Lead	0.0018	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY	E245.1					PrepDate: 7/1/02 Analyst: JAS
Mercury	ND	0.00010		mg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



15

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-004**Collection Date:** 6/26/02 4:00:00 PM**Client Sample ID:** SW-5**Sample Description:** 15638**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SILVER BY GFAA	E272.2					
Silver	ND	0.000070		mg/L	1	7/10/02
504: EDB/DBCP	E504.1					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



6

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-004**Collection Date:** 6/26/02 4:00:00 PM**Client Sample ID:** SW-5**Sample Description:** 15638**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
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Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060735-005**Collection Date:** 6/26/02**Client Sample ID:** SW-6**Sample Description:** 15789**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**NA**

PrepDate:

Analyst:

Depth To Water

Dry

6/26/02

Lab ID: F02060735-006**Collection Date:** 6/26/02 3:15:00 PM**Client Sample ID:** SW-9**Sample Description:** 15834**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1**

PrepDate:

Analyst:

Conductivity

620

umhos/cm

6/26/02 3:15:00 PM

Dissolved Oxygen

1.31

mg/L

6/26/02 3:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



17

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-006**Collection Date:** 6/26/02 3:15:00 PM**Client Sample ID:** SW-9**Sample Description:** 15834**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
pH	7.56			S.U.		6/26/02 3:15:00 PM
Temperature	29.4			deg C		6/26/02 3:15:00 PM
Turbidity	94.8			NTU		6/26/02 3:15:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 6:33:00 PM
BOD, 5 DAY, 20°C	E405.1					
Biochemical Oxygen Demand	29	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1					
Organic Carbon, Total	50	1.0		mg/L	1	7/1/02
CHEMICAL OXYGEN DEMAND	E410.4					
Chemical Oxygen Demand	160	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H					
Chlorophyll a	9.9	1.0		mg/m³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1					
Nitrogen, Ammonia (As N)	1.5	0.050		mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	ND	0.050		mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	5.5	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	5.5	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.42	0.10		mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	410	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



18

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-006**Collection Date:** 6/26/02 3:15:00 PM**Client Sample ID:** SW-9**Sample Description:** 15834**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL SUSPENDED	E160.2					
Solids, Suspended (Residue, Non-Filterable)	110	5.0		mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					
Beryllium	0.00022	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2					
Copper	0.0029	0.0010		mg/L	1	7/8/02
ICP METALS	E200.7					
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.0087	0.0050		mg/L	1	6/28/02
Barium	0.044	0.010		mg/L	1	6/28/02
Chromium	0.0035	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0034	0.010	J	mg/L	1	6/28/02
Iron	1.6	0.040	*	mg/L	1	6/28/02
Nickel	0.0051	0.010	J	mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Sodium	46	0.50		mg/L	1	6/28/02
Thallium	ND	0.0050		mg/L	1	6/28/02
Vanadium	0.0069	0.010	J	mg/L	1	6/28/02
Zinc	0.021	0.020		mg/L	1	6/28/02
Hardness, Total (as CaCO3)	210	1.2		mg/L	1	6/28/02
LEAD BY GFAA	E239.2					
Lead	0.0039	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY	E245.1					
Mercury	ND	0.00010		mg/L	1	7/3/02
SILVER BY GFAA	E272.2					
Silver	0.000040	0.000070	J	mg/L	1	7/10/02
504: EDB/DBCP	E504.1					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



19

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-006**Collection Date:** 6/26/02 3:15:00 PM**Client Sample ID:** SW-9**Sample Description:** 15834**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
504: EDB/DBCP	E504.1					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	14	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-006

Collection Date: 6/26/02 3:15:00 PM

Client Sample ID: SW-9

Sample Description: 15834

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
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Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.6	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060735-007

Collection Date: 6/26/02 3:45:00 PM

Client Sample ID: SW-10

Sample Description: 15835

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1**

PrepDate:

Analyst:

Conductivity	457			umhos/cm		6/26/02 3:45:00 PM
Dissolved Oxygen	4.28			mg/L		6/26/02 3:45:00 PM
pH	8.39			S.U.		6/26/02 3:45:00 PM
Temperature	30.4			deg C		6/26/02 3:45:00 PM
Turbidity	10.51			NTU		6/26/02 3:45:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0**

PrepDate:

Analyst: KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 6:48:00 PM
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BOD, 5 DAY, 20°C**E405.1**

PrepDate: 6/28/02 11:30:00 AM Analyst: SFI

Biochemical Oxygen Demand	ND	3.0		mg/L	1	7/3/02
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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735

Lab ID: F02060735-007

Collection Date: 6/26/02 3:45:00 PM

Client Sample ID: SW-10

Sample Description: 15835

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CARBON, TOTAL ORGANIC	E415.1			PrepDate:		Analyst: SFI
Organic Carbon, Total	12	1.0		mg/L	1	7/1/02
CHEMICAL OXYGEN DEMAND	E410.4			PrepDate:		Analyst: SFI
Chemical Oxygen Demand	32	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H			PrepDate: 6/27/02 12:03:00 PM		Analyst: SFI
Chlorophyll a	2.8	1.0		mg/m ³	1	6/28/02
NITROGEN, AMMONIA, IONIZED	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.03	0.050	J	mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2			PrepDate:		Analyst: TPE
Nitrogen, Nitrate-Nitrite	0.02	0.050	J	mg/L	1	6/28/02 3:41:00 PM
NITROGEN, TOTAL	SM4500-N C			PrepDate:		Analyst: RFI
Nitrogen, Total	0.78	0.050		mg/L	1	7/5/02
NITROGEN, TOTAL KJELDAHL	E351.2			PrepDate: 7/1/02 9:26:41 AM		Analyst: RFI
Nitrogen, Kjeldahl, Total	0.76	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4			PrepDate: 7/1/02 9:26:41 AM		Analyst: RFI
Phosphorus, Total (as P)	0.02	0.10	J	mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 6/27/02 10:52:58 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	190	5.0		mg/L	1	6/27/02
SOLIDS, TOTAL SUSPENDED	E160.2			PrepDate: 6/28/02 1:56:42 PM		Analyst: MMA
Solids, Suspended (Residue, Non-Filterable)	11	5.0		mg/L	1	6/28/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2			PrepDate: 7/1/02		Analyst: MCA
Beryllium	0.00018	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2			PrepDate: 7/1/02		Analyst: EM
Cadmium	ND	0.00010		mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2			PrepDate: 7/1/02		Analyst: MCA
Copper	0.0034	0.0010		mg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-007**Collection Date:** 6/26/02 3:45:00 PM**Client Sample ID:** SW-10**Sample Description:** 15835**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	E200.7			PrepDate: 6/28/02		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.031	0.010		mg/L	1	6/28/02
Chromium	0.0014	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0026	0.010	J	mg/L	1	6/28/02
Iron	0.30	0.040		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Sodium	25	0.50		mg/L	1	6/28/02
Thallium	0.0048	0.0050	J*	mg/L	1	6/28/02
Vanadium	0.0046	0.010	J	mg/L	1	6/28/02
Zinc	0.011	0.020	J	mg/L	1	6/28/02
Hardness, Total (as CaCO3)	210	1.2		mg/L	1	6/28/02
LEAD BY GFAA						
	E239.2			PrepDate: 7/1/02		Analyst: EM
Lead	0.0014	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY						
	E245.1			PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00010		mg/L	1	7/3/02
SILVER BY GFAA						
	E272.2			PrepDate: 7/1/02		Analyst: MCA
Silver	ND	0.000070		mg/L	1	7/10/02
504: EDB/DBCP						
	E504.1			PrepDate: 7/5/02 5:00:00 AM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/5/02 7:21:36 PM
1,2-Dibromoethane	ND	0.010		µg/L	1	7/5/02 7:21:36 PM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



23

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060735**Lab ID:** F02060735-007**Collection Date:** 6/26/02 3:45:00 PM**Client Sample ID:** SW-10**Sample Description:** 15835**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	0.3	1.0	J	µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	1	5.0	J	µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



24

ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060735**Lab ID:** F02060735-007**Collection Date:** 6/26/02 3:45:00 PM**Client Sample ID:** SW-10**Sample Description:** 15835**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

EL

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 • FAX (904)673-4001

CHAIN OF CUSTODY RECORD

No. E 55115

6 of 8

(INSTRUCTIONS ON BACK OF THIS FORM)

1. Client: (Company or Individual)

Volusia County SW 11

2. Report to: (if different from above)

Susan G-20

3. Client Project Name: Tonoka LF - semiannual

June 2002

4. Client Project No.:

PA75233

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By: Justin Kerry

8. Shipping Method:

hand

FOR LAB USE ONLY

Condition of Contents:

Temp. of Contents: °C (or Received on Ice, ROI)

Address:

City:

State:

Zip Code:

Phone: ()

Fax: ()

City:

State:

Zip Code:

Address:

City:

State:

Zip Code:

Phone: ()

Fax: ()

Phone: ()

18. Report Type:

Routine

Standard QC

Datapackage

19. Turnaround Time

Standard

Rush: / /

Preservative Codes
(for Item 15)

C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

LAB USE ONLY
LAB SAMPLE NO.

20. REMARK

14. No. of Containers
15. Preservatives
16. Containers
17. Analytes Requested
T. Hesthards
NH₃ CO₂ T. Hesthards
No. 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

14. No. of Containers
15. Preservatives
16. Containers
17. Analytes Requested
T. Hesthards
NH₃ CO₂ T. Hesthards
No. 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

14. No. of Containers
15. Preservatives
16. Containers
17. Analytes Requested
T. Hesthards
NH₃ CO₂ T. Hesthards
No. 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54



August 17, 2002

AUG 20 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060736

Dear Ms. Susan Gaze:

ELAB, Inc. received 16 samples on 6/27/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 26.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



2

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-001**Collection Date:** 6/26/02 12:20:00 PM**Client Sample ID:** B 2**Sample Description:** 15402**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
Conductivity	873			umhos/cm		6/26/02 12:20:00 PM
Depth To Water	4.03					6/26/02 12:20:00 PM
Dissolved Oxygen	1.9			mg/L		6/26/02 12:20:00 PM
pH	6.76			S.U.		6/26/02 12:20:00 PM
Reference Elevation	31.81					6/26/02 12:20:00 PM
Temperature	26.2			deg C		6/26/02 12:20:00 PM
Turbidity	2.67			NTU		6/26/02 12:20:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	10	5.0		mg/L	10	6/27/02 7:02:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/27/02 7:02:00 PM
Sulfate	270	5.0		mg/L	10	6/27/02 7:02:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.69	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 6/27/02 10:52:58 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	660	5.0	*	mg/L	1	6/27/02
ICP METALS						
	SW6010			PrepDate: 6/28/02		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.0094	0.0050		mg/L	1	6/28/02
Barium	0.049	0.010		mg/L	1	6/28/02
Beryllium	ND	0.0010		mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.00089	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0087	0.010	J	mg/L	1	6/28/02
Copper	0.0019	0.010	J	mg/L	1	6/28/02
Iron	3.6	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	0.0040	0.010	J	mg/L	1	6/28/02
Selenium	0.0047	0.0050	J	mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	11	0.50		mg/L	1	6/28/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



3

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-001**Collection Date:** 6/26/02 12:20:00 PM**Client Sample ID:** B 2**Sample Description:** 15402**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 6/28/02		Analyst: JAS
Vanadium	0.0029	0.010	J	mg/L	1	6/28/02
Zinc	0.011	0.020	J	mg/L	1	6/28/02
MERCURY						
	SW7470					
				PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 6/28/02		Analyst: JAS
Thallium	0.0010	0.0010		mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/2/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-001

Collection Date: 6/26/02 12:20:00 PM

Client Sample ID: B 2

Sample Description: 15402

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/2/02		Analyst: LGO
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.4	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-002

Collection Date: 6/26/02 12:00:00 PM

Client Sample ID: B 11

Sample Description: 15679

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		E120.1		PrepDate:		Analyst:
Conductivity	299			umhos/cm		6/26/02 12:00:00 PM
Depth To Water	3.44					6/26/02 12:00:00 PM
Dissolved Oxygen	1.7			mg/L		6/26/02 12:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-002

Collection Date: 6/26/02 12:00:00 PM

Client Sample ID: B 11

Sample Description: 15679

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
pH	5.34			S.U.		6/26/02 12:00:00 PM
Reference Elevation	30.63					6/26/02 12:00:00 PM
Temperature	25.1			deg C		6/26/02 12:00:00 PM
Turbidity	1.41			NTU		6/26/02 12:00:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	9.8	0.50		mg/L	1	6/27/02 7:16:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 7:16:00 PM
Sulfate	39	0.50		mg/L	1	6/27/02 7:16:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.47	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	6/27/02 10:52:58 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	170	5.0		mg/L	1	6/27/02
ICP METALS						
	SW6010			PrepDate:	6/28/02	Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.052	0.010		mg/L	1	6/28/02
Beryllium	0.00037	0.0010	J	mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0031	0.0050	J	mg/L	1	6/28/02
Cobalt	ND	0.010		mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	3.4	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	10	0.50		mg/L	1	6/28/02
Vanadium	0.015	0.010		mg/L	1	6/28/02
Zinc	ND	0.020		mg/L	1	6/28/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-002**Collection Date:** 6/26/02 12:00:00 PM**Client Sample ID:** B 11**Sample Description:** 15679**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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MERCURY	SW7470					
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PrepDate: 7/2/02

Analyst: JAS

Mercury

ND 0.00020

mg/L

1

7/3/02

THALLIUM BY GFAA**SW7841**

PrepDate: 6/28/02

Analyst: JAS

Thallium

0.00065 0.0010

J mg/L

1

7/1/02

8011: EDB AND DBCP**SW8011**

PrepDate: 7/9/02 3:05:40 PM

Analyst: TCZ

1,2-Dibromo-3-chloropropane

ND 0.020

µg/L

1

7/10/02

Ethylene Dibromide

ND 0.010

µg/L

1

7/10/02

8260: VOLATILE ORGANIC COMPOUNDS**SW8260**

PrepDate: 7/2/02

Analyst: LGO

Acetone

ND 10

µg/L

1

7/3/02

Acrylonitrile

ND 1.0

µg/L

1

7/3/02

Benzene

ND 1.0

µg/L

1

7/3/02

Bromochloromethane

ND 1.0

µg/L

1

7/3/02

Bromodichloromethane

ND 0.60

µg/L

1

7/3/02

Bromoform

ND 1.0

µg/L

1

7/3/02

Bromomethane

ND 1.0

µg/L

1

7/3/02

2-Butanone

ND 10

µg/L

1

7/3/02

Carbon disulfide

ND 1.0

µg/L

1

7/3/02

Carbon tetrachloride

ND 1.0

µg/L

1

7/3/02

Chlorobenzene

ND 1.0

µg/L

1

7/3/02

Chloroethane

ND 1.0

µg/L

1

7/3/02

Chloroform

ND 1.0

µg/L

1

7/3/02

Chloromethane

ND 1.0

µg/L

1

7/3/02

Dibromochloromethane

ND 0.40

µg/L

1

7/3/02

Dibromomethane

ND 1.0

µg/L

1

7/3/02

trans-1,4-Dichloro-2-butene

ND 10

µg/L

1

7/3/02

1,2-Dichlorobenzene

ND 1.0

µg/L

1

7/3/02

1,4-Dichlorobenzene

ND 1.0

µg/L

1

7/3/02

1,1-Dichloroethane

ND 1.0

µg/L

1

7/3/02

1,2-Dichloroethane

ND 1.0

µg/L

1

7/3/02

1,1-Dichloroethene

ND 1.0

µg/L

1

7/3/02

cis-1,2-Dichloroethene

ND 1.0

µg/L

1

7/3/02

trans-1,2-Dichloroethene

ND 1.0

µg/L

1

7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-002**Collection Date:** 6/26/02 12:00:00 PM**Client Sample ID:** B 11**Sample Description:** 15679**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.2	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-003**Collection Date:** 6/26/02 1:00:00 PM**Client Sample ID:** B 36**Sample Description:** 15798**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	966			umhos/cm		6/26/02 1:00:00 PM
Depth To Water	1.91					6/26/02 1:00:00 PM
Dissolved Oxygen	1.8			mg/L		6/26/02 1:00:00 PM
pH	7.50			S.U.		6/26/02 1:00:00 PM
Reference Elevation	29.27					6/26/02 1:00:00 PM
Temperature	22.8			deg C		6/26/02 1:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-003

Collection Date: 6/26/02 1:00:00 PM

Client Sample ID: B 36

Sample Description: 15798

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Turbidity	0.29			NTU		6/26/02 1:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	200	5.0		mg/L	10	6/27/02 7:30:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/27/02 7:30:00 PM
Sulfate	ND	5.0		mg/L	10	6/27/02 7:30:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.31	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate:	6/27/02 10:52:58 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	960	5.0	*	mg/L	1	6/27/02
ICP METALS	SW6010			PrepDate:	6/28/02	Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.096	0.010		mg/L	1	6/28/02
Beryllium	ND	0.0010		mg/L	1	6/28/02
Cadmium	0.00079	0.0010	J	mg/L	1	6/28/02
Chromium	0.0012	0.0050	J	mg/L	1	6/28/02
Cobalt	0.011	0.010		mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	4.2	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	94	0.50		mg/L	1	6/28/02
Vanadium	0.0017	0.010	J	mg/L	1	6/28/02
Zinc	0.010	0.020	J	mg/L	1	6/28/02
MERCURY	SW7470			PrepDate:	7/2/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841			PrepDate:	6/28/02	Analyst: JAS

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-003**Collection Date:** 6/26/02 1:00:00 PM**Client Sample ID:** B 36**Sample Description:** 15798**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
THALLIUM BY GFAA						
	SW7841					
Thallium	0.00074	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	2.3	1.0	*	µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	1.7	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	0.2	1.0	J	µg/L	1	7/3/02
1,1-Dichloroethane	2.3	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.****Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-003**Collection Date:** 6/26/02 1:00:00 PM**Client Sample ID:** B 36**Sample Description:** 15798**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	ND	1.0		µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	7.5	1.0	*	µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-004**Collection Date:** 6/26/02 2:10:00 PM**Client Sample ID:** B 37-1**Sample Description:** 15799**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	1077			umhos/cm		6/26/02 2:10:00 PM
Depth To Water	1.80					6/26/02 2:10:00 PM
Dissolved Oxygen	1.2			mg/L		6/26/02 2:10:00 PM
pH	6.33			S.U.		6/26/02 2:10:00 PM
Reference Elevation	28.59					6/26/02 2:10:00 PM
Temperature	23.3			deg C		6/26/02 2:10:00 PM
Turbidity	4.15			NTU		6/26/02 2:10:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-004**Collection Date:** 6/26/02 2:10:00 PM**Client Sample ID:** B 37-1**Sample Description:** 15799**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	150	10		mg/L	20	6/27/02 7:45:00 PM
Nitrogen, Nitrate	ND	1.0		mg/L	20	6/27/02 7:45:00 PM
Sulfate	ND	10		mg/L	20	6/27/02 7:45:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.60	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	6/27/02 10:52:58 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	1600	5.0	*	mg/L	1	6/27/02
ICP METALS						
	SW6010			PrepDate:	6/28/02	Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.23	0.010		mg/L	1	6/28/02
Beryllium	0.00017	0.0010	J	mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0011	0.0050	J	mg/L	1	6/28/02
Cobalt	0.027	0.010		mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	22	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	240	0.50	*	mg/L	1	6/28/02
Vanadium	0.00097	0.010	J	mg/L	1	6/28/02
Zinc	0.011	0.020	J	mg/L	1	6/28/02
MERCURY						
	SW7470			PrepDate:	7/2/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate:	6/28/02	Analyst: JAS
Thallium	0.00062	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011			PrepDate:	7/9/02 3:05:40 PM	Analyst: TCZ

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-004**Collection Date:** 6/26/02 2:10:00 PM**Client Sample ID:** B 37-1**Sample Description:** 15799**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8011: EDB AND DBCP	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/2/02		Analyst: LGO
Acetone	14	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	14	1.0	*	µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	11	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	0.5	1.0	J	µg/L	1	7/3/02
1,4-Dichlorobenzene	0.8	1.0	J	µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



13

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-004**Collection Date:** 6/26/02 2:10:00 PM**Client Sample ID:** B 37-1**Sample Description:** 15799**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	ND	1.0		µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-005**Collection Date:** 6/26/02 1:30:00 PM**Client Sample ID:** B 37-2**Sample Description:** 15800**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	241			umhos/cm		6/26/02 1:30:00 PM
Depth To Water	1.27					6/26/02 1:30:00 PM
Dissolved Oxygen	1.9			mg/L		6/26/02 1:30:00 PM
pH	6.03			S.U.		6/26/02 1:30:00 PM
Reference Elevation	28.72					6/26/02 1:30:00 PM
Temperature	26.1			deg C		6/26/02 1:30:00 PM
Turbidity	5.68			NTU		6/26/02 1:30:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	5.8	0.50		mg/L	1	6/27/02 7:59:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 7:59:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-005

Collection Date: 6/26/02 1:30:00 PM

Client Sample ID: B 37-2

Sample Description: 15800

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Sulfate	9.0	0.50		mg/L	1	6/27/02 7:59:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.15	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate:		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	120	5.0		mg/L	1	6/27/02
ICP METALS	SW6010			PrepDate:		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.0053	0.0050		mg/L	1	6/28/02
Barium	0.0098	0.010	J	mg/L	1	6/28/02
Beryllium	ND	0.0010		mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0014	0.0050	J	mg/L	1	6/28/02
Cobalt	ND	0.010		mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	5.8	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	6.5	0.50		mg/L	1	6/28/02
Vanadium	0.0036	0.010	J	mg/L	1	6/28/02
Zinc	0.012	0.020	J	mg/L	1	6/28/02
MERCURY	SW7470			PrepDate:		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841			PrepDate:		Analyst: JAS
Thallium	0.00077	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP	SW8011			PrepDate:		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060736**Lab ID:** F02060736-005**Collection Date:** 6/26/02 1:30:00 PM**Client Sample ID:** B 37-2**Sample Description:** 15800**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-005**Collection Date:** 6/26/02 1:30:00 PM**Client Sample ID:** B 37-2**Sample Description:** 15800**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.3	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	0.9	1.0	J	µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-006**Collection Date:** 6/26/02 4:35:00 PM**Client Sample ID:** B 38-1**Sample Description:** 15801**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	288			umhos/cm		6/26/02 4:35:00 PM
Depth To Water	3.68					6/26/02 4:35:00 PM
Dissolved Oxygen	1.7			mg/L		6/26/02 4:35:00 PM
pH	5.86			S.U.		6/26/02 4:35:00 PM
Reference Elevation	28.22					6/26/02 4:35:00 PM
Temperature	23.0			deg C		6/26/02 4:35:00 PM
Turbidity	5.18			NTU		6/26/02 4:35:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	30	0.50		mg/L	1	6/27/02 8:13:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 8:13:00 PM
Sulfate	3.5	0.50		mg/L	1	6/27/02 8:13:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.092	0.050		mg/L	1	7/1/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-006**Collection Date:** 6/26/02 4:35:00 PM**Client Sample ID:** B 38-1**Sample Description:** 15801**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	130	5.0		mg/L	1	6/28/02
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	ND	0.0050		mg/L	1	6/28/02
Barium	0.046	0.010		mg/L	1	6/28/02
Beryllium	0.00021	0.0010	J	mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0014	0.0050	J	mg/L	1	6/28/02
Cobalt	ND	0.010		mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	10	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	22	0.50		mg/L	1	6/28/02
Vanadium	0.0021	0.010	J	mg/L	1	6/28/02
Zinc	ND	0.020		mg/L	1	6/28/02
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	0.00071	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



18

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-006**Collection Date:** 6/26/02 4:35:00 PM**Client Sample ID:** B 38-1**Sample Description:** 15801**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



19

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-006**Collection Date:** 6/26/02 4:35:00 PM**Client Sample ID:** B 38-1**Sample Description:** 15801**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Toluene	0.3	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-007**Collection Date:** 6/26/02 3:55:00 PM**Client Sample ID:** B 38-2**Sample Description:** 15802**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	662			umhos/cm		6/26/02 3:55:00 PM
Depth To Water	1.78					6/26/02 3:55:00 PM
Dissolved Oxygen	1.4			mg/L		6/26/02 3:55:00 PM
pH	6.19			S.U.		6/26/02 3:55:00 PM
Reference Elevation	28.08					6/26/02 3:55:00 PM
Temperature	25.5			deg C		6/26/02 3:55:00 PM
Turbidity	6.71			NTU		6/26/02 3:55:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	45	0.50		mg/L	1	6/27/02 8:27:00 PM
Nitrogen, Nitrate	0.070	0.050		mg/L	1	6/27/02 8:27:00 PM
Sulfate	180	0.50		mg/L	1	6/27/02 8:27:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.69	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 6/28/02 9:36:01 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	520	5.0	*	mg/L	1	6/28/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060736**Lab ID:** F02060736-007**Collection Date:** 6/26/02 3:55:00 PM**Client Sample ID:** B 38-2**Sample Description:** 15802**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 6/28/02		Analyst: JAS
Antimony	ND	0.0050		mg/L	1	6/28/02
Arsenic	0.0033	0.0050	J	mg/L	1	6/28/02
Barium	0.051	0.010		mg/L	1	6/28/02
Beryllium	0.00013	0.0010	J	mg/L	1	6/28/02
Cadmium	ND	0.0010		mg/L	1	6/28/02
Chromium	0.0015	0.0050	J	mg/L	1	6/28/02
Cobalt	0.0044	0.010	J	mg/L	1	6/28/02
Copper	ND	0.010		mg/L	1	6/28/02
Iron	2.8	0.040	*	mg/L	1	6/28/02
Lead	ND	0.0050		mg/L	1	6/28/02
Nickel	ND	0.010		mg/L	1	6/28/02
Selenium	ND	0.0050		mg/L	1	6/28/02
Silver	ND	0.010		mg/L	1	6/28/02
Sodium	32	0.50		mg/L	1	6/28/02
Vanadium	0.0022	0.010	J	mg/L	1	6/28/02
Zinc	0.022	0.020		mg/L	1	6/28/02
MERCURY						
	SW7470					
				PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 6/28/02		Analyst: JAS
Thallium	ND	0.0010		mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/2/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-007**Collection Date:** 6/26/02 3:55:00 PM**Client Sample ID:** B 38-2**Sample Description:** 15802**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	ND	1.0		µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



27

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-007**Collection Date:** 6/26/02 3:55:00 PM**Client Sample ID:** B 38-2**Sample Description:** 15802**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-008**Collection Date:** 6/26/02 4:50:00 PM**Client Sample ID:** B 39**Sample Description:** 15803**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	293			umhos/cm		6/26/02 4:50:00 PM
Depth To Water	4.79					6/26/02 4:50:00 PM
Dissolved Oxygen	1.5			mg/L		6/26/02 4:50:00 PM
pH	5.63			S.U.		6/26/02 4:50:00 PM
Reference Elevation	29.06					6/26/02 4:50:00 PM
Temperature	25.0			deg C		6/26/02 4:50:00 PM
Turbidity	16.1			NTU		6/26/02 4:50:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	10	0.50		mg/L	1	6/27/02 9:24:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 9:24:00 PM
Sulfate	15	0.50		mg/L	1	6/27/02 9:24:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.79	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 6/28/02 9:36:01 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	120	5.0		mg/L	1	6/28/02
ICP METALS	SW6010			PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	0.0043	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Barium	0.026	0.010		mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-008**Collection Date:** 6/26/02 4:50:00 PM**Client Sample ID:** B 39**Sample Description:** 15803**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010			PrepDate: 7/1/02		Analyst: EM
Beryllium	0.00024	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0032	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	6.2	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.0016	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	7.8	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.012	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate: 6/28/02		Analyst: JAS
Thallium	0.00060	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011			PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260			PrepDate: 7/2/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060736**Lab ID:** F02060736-008**Collection Date:** 6/26/02 4:50:00 PM**Client Sample ID:** B 39**Sample Description:** 15803**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/2/02		Analyst: LGO
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.4	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-008**Collection Date:** 6/26/02 4:50:00 PM**Client Sample ID:** B 39**Sample Description:** 15803**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

PrepDate: 7/2/02

Analyst: LGO

Lab ID: F02060736-009**Collection Date:** 6/26/02 10:50:00 AM**Client Sample ID:** B 40-1**Sample Description:** 15804**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Conductivity	451			umhos/cm		6/26/02 10:50:00 AM
Depth To Water	5.58					6/26/02 10:50:00 AM
Dissolved Oxygen	2.0			mg/L		6/26/02 10:50:00 AM
pH	5.93			S.U.		6/26/02 10:50:00 AM
Reference Elevation	27.64					6/26/02 10:50:00 AM
Temperature	21.8			deg C		6/26/02 10:50:00 AM
Turbidity	0.34			NTU		6/26/02 10:50:00 AM

PrepDate:

Analyst:

ANIONS BY ION CHROMATOGRAPHY**E300.0**

PrepDate:

Analyst: KFE

Chloride	65	0.50		mg/L	1	6/27/02 10:06:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 10:06:00 PM
Sulfate	75	0.50		mg/L	1	6/27/02 10:06:00 PM

NITROGEN, AMMONIA**E350.1**

PrepDate:

Analyst: TPE

Nitrogen, Ammonia (As N)	0.33	0.050		mg/L	1	7/2/02
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SOLIDS, TOTAL DISSOLVED**E160.1**

PrepDate: 6/28/02 9:36:01 AM

Analyst: MMA

Solids, Total Dissolved (Residue, Filterable)	470	5.0		mg/L	1	6/28/02
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ICP METALS**SW6010**

PrepDate: 7/1/02

Analyst: EM

Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.10	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00010	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0011	0.0050	J	mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-009**Collection Date:** 6/26/02 10:50:00 AM**Client Sample ID:** B 40-1**Sample Description:** 15804**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/1/02		Analyst: EM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	11	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	46	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0022	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
				PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 6/28/02		Analyst: JAS
Thallium	0.00089	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/2/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



27

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-009**Collection Date:** 6/26/02 10:50:00 AM**Client Sample ID:** B 40-1**Sample Description:** 15804**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.2	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



28

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-010**Collection Date:** 6/26/02 10:20:00 AM**Client Sample ID:** B 40-2**Sample Description:** 15805**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1					
Conductivity	490			umhos/cm		Analyst: 6/26/02 10:20:00 AM
Depth To Water	3.68					6/26/02 10:20:00 AM
Dissolved Oxygen	1.9			mg/L		6/26/02 10:20:00 AM
pH	5.86			S.U.		6/26/02 10:20:00 AM
Reference Elevation	27.68					6/26/02 10:20:00 AM
Temperature	22.8			deg C		6/26/02 10:20:00 AM
Turbidity	6.91			NTU		6/26/02 10:20:00 AM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0					
Chloride	28	0.50		mg/L	1	Analyst: KFE 6/27/02 10:21:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 10:21:00 PM
Sulfate	92	0.50		mg/L	1	6/27/02 10:21:00 PM
NITROGEN, AMMONIA						
	E350.1					
Nitrogen, Ammonia (As N)	1.2	0.050		mg/L	1	Analyst: TPE 7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1					
Solids, Total Dissolved (Residue, Filterable)	410	5.0		mg/L	1	Analyst: MMA 6/28/02
ICP METALS						
	SW6010					
Antimony	ND	0.0050		mg/L	1	Analyst: EM 7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.032	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00024	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.00096	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.078	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0045	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	23	0.50		mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-010

Collection Date: 6/26/02 10:20:00 AM

Client Sample ID: B 40-2

Sample Description: 15805

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
Vanadium	0.0078	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
Thallium	0.00067	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-010**Collection Date:** 6/26/02 10:20:00 AM**Client Sample ID:** B 40-2**Sample Description:** 15805**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS**SW8260****PrepDate:** 7/2/02**Analyst:** LGO

1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.5	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-011**Collection Date:** 6/26/02 3:30:00 PM**Client Sample ID:** B 64**Sample Description:** 15825**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	770			umhos/cm		6/26/02 3:30:00 PM
Depth To Water	1.75					6/26/02 3:30:00 PM
Dissolved Oxygen	1.7			mg/L		6/26/02 3:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060736**Lab ID:** F02060736-011**Collection Date:** 6/26/02 3:30:00 PM**Client Sample ID:** B 64**Sample Description:** 15825**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
pH	6.87			S.U.		6/26/02 3:30:00 PM
Reference Elevation	28.19					6/26/02 3:30:00 PM
Temperature	25.3			deg C		6/26/02 3:30:00 PM
Turbidity	4.81			NTU		6/26/02 3:30:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	93	5.0		mg/L	10	6/27/02 10:35:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/27/02 10:35:00 PM
Sulfate	17	5.0		mg/L	10	6/27/02 10:35:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.14	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate:	6/28/02 9:36:01 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	580	5.0	*	mg/L	1	6/28/02
ICP METALS	SW6010			PrepDate:	7/1/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	0.0031	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Barium	0.13	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00020	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	36	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0043	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	70	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0017	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-011**Collection Date:** 6/26/02 3:30:00 PM**Client Sample ID:** B 64**Sample Description:** 15825**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	0.00069	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/3/02
Acrylonitrile	ND	1.0		µg/L	1	7/3/02
Benzene	ND	1.0		µg/L	1	7/3/02
Bromochloromethane	ND	1.0		µg/L	1	7/3/02
Bromodichloromethane	ND	0.60		µg/L	1	7/3/02
Bromoform	ND	1.0		µg/L	1	7/3/02
Bromomethane	ND	1.0		µg/L	1	7/3/02
2-Butanone	ND	10		µg/L	1	7/3/02
Carbon disulfide	ND	1.0		µg/L	1	7/3/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/3/02
Chlorobenzene	ND	1.0		µg/L	1	7/3/02
Chloroethane	ND	1.0		µg/L	1	7/3/02
Chloroform	ND	1.0		µg/L	1	7/3/02
Chloromethane	ND	1.0		µg/L	1	7/3/02
Dibromochloromethane	ND	0.40		µg/L	1	7/3/02
Dibromomethane	ND	1.0		µg/L	1	7/3/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/3/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/3/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/3/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/3/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range.

* - Value exceeds Maximum Contaminant Level



33

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-011**Collection Date:** 6/26/02 3:30:00 PM**Client Sample ID:** B 64**Sample Description:** 15825**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/2/02		Analyst: LGO
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1,2-Dichloropropane	ND	1.0		µg/L	1	7/3/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/3/02
Ethylbenzene	ND	1.0		µg/L	1	7/3/02
2-Hexanone	ND	10		µg/L	1	7/3/02
Iodomethane	ND	1.0		µg/L	1	7/3/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/3/02
Methylene chloride	ND	5.0		µg/L	1	7/3/02
Styrene	ND	1.0		µg/L	1	7/3/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/3/02
Tetrachloroethene	ND	1.0		µg/L	1	7/3/02
Toluene	0.4	1.0	J	µg/L	1	7/3/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/3/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/3/02
Trichloroethene	ND	1.0		µg/L	1	7/3/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/3/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/3/02
Vinyl acetate	ND	2.0		µg/L	1	7/3/02
Vinyl chloride	ND	1.0		µg/L	1	7/3/02
Xylenes, Total	ND	1.0		µg/L	1	7/3/02

Lab ID: F02060736-012**Collection Date:** 6/26/02 9:35:00 AM**Client Sample ID:** B 65**Sample Description:** 15826**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	688			umhos/cm		6/26/02 9:35:00 AM
Depth To Water	3.91					6/26/02 9:35:00 AM
Dissolved Oxygen	1.7			mg/L		6/26/02 9:35:00 AM
pH	5.87			S.U.		6/26/02 9:35:00 AM
Reference Elevation	28.04					6/26/02 9:35:00 AM
Temperature	22.4			deg C		6/26/02 9:35:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-012

Collection Date: 6/26/02 9:35:00 AM

Client Sample ID: B 65

Sample Description: 15826

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Turbidity	4.81			NTU		6/26/02 9:35:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	48	0.50		mg/L	1	6/27/02 10:49:00 PM
Nitrogen, Nitrate	0.12	0.050		mg/L	1	6/27/02 10:49:00 PM
Sulfate	210	0.50		mg/L	1	6/27/02 10:49:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.10	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	630	5.0	*	mg/L	1	6/28/02
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.076	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00021	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0018	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.10	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	37	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.023	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-012

Collection Date: 6/26/02 9:35:00 AM

Client Sample ID: B 65

Sample Description: 15826

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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THALLIUM BY GFAA

SW7841

PrepDate: 6/28/02

Analyst: JAS

Thallium

0.00041

0.0010

J

mg/L

1

7/1/02

8011: EDB AND DBCP

SW8011

PrepDate: 7/9/02 3:05:40 PM

Analyst: TCZ

1,2-Dibromo-3-chloropropane

ND

0.020

µg/L

1

7/10/02

Ethylene Dibromide

ND

0.010

µg/L

1

7/10/02

8260: VOLATILE ORGANIC COMPOUNDS

SW8260

PrepDate: 7/8/02

Analyst: LGO

Acetone

ND

10

µg/L

1

7/8/02

Acrylonitrile

ND

1.0

µg/L

1

7/8/02

Benzene

ND

1.0

µg/L

1

7/8/02

Bromochloromethane

ND

1.0

µg/L

1

7/8/02

Bromodichloromethane

ND

0.60

µg/L

1

7/8/02

Bromoform

ND

1.0

µg/L

1

7/8/02

Bromomethane

ND

1.0

µg/L

1

7/8/02

2-Butanone

ND

10

µg/L

1

7/8/02

Carbon disulfide

ND

1.0

µg/L

1

7/8/02

Carbon tetrachloride

ND

1.0

µg/L

1

7/8/02

Chlorobenzene

ND

1.0

µg/L

1

7/8/02

Chloroethane

ND

1.0

µg/L

1

7/8/02

Chloroform

ND

1.0

µg/L

1

7/8/02

Chloromethane

ND

1.0

µg/L

1

7/8/02

Dibromochloromethane

ND

0.40

µg/L

1

7/8/02

Dibromomethane

ND

1.0

µg/L

1

7/8/02

trans-1,4-Dichloro-2-butene

ND

10

µg/L

1

7/8/02

1,2-Dichlorobenzene

ND

1.0

µg/L

1

7/8/02

1,4-Dichlorobenzene

ND

1.0

µg/L

1

7/8/02

1,1-Dichloroethane

ND

1.0

µg/L

1

7/8/02

1,2-Dichloroethane

ND

1.0

µg/L

1

7/8/02

1,1-Dichloroethene

ND

1.0

µg/L

1

7/8/02

cis-1,2-Dichloroethene

ND

1.0

µg/L

1

7/8/02

trans-1,2-Dichloroethene

ND

1.0

µg/L

1

7/8/02

1,2-Dichloropropane

ND

1.0

µg/L

1

7/8/02

cis-1,3-Dichloropropene

ND

0.20

µg/L

1

7/8/02

trans-1,3-Dichloropropene

ND

0.20

µg/L

1

7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-012**Collection Date:** 6/26/02 9:35:00 AM**Client Sample ID:** B 65**Sample Description:** 15826**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.2	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060736-013**Collection Date:** 6/26/02 9:35:00 AM**Client Sample ID:** B 65 DUP**Sample Description:** 15826**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	688			umhos/cm		6/26/02 9:35:00 AM
Depth To Water	3.91					6/26/02 9:35:00 AM
Dissolved Oxygen	1.7			mg/L		6/26/02 9:35:00 AM
pH	5.87			S.U.		6/26/02 9:35:00 AM
Reference Elevation	28.04					6/26/02 9:35:00 AM
Temperature	22.4			deg C		6/26/02 9:35:00 AM
Turbidity	4.81			NTU		6/26/02 9:35:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-013**Collection Date:** 6/26/02 9:35:00 AM**Client Sample ID:** B 65 DUP**Sample Description:** 15826**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	48	0.50		mg/L	1	6/27/02 11:03:00 PM
Nitrogen, Nitrate	0.17	0.050		mg/L	1	6/27/02 11:03:00 PM
Sulfate	210	0.50		mg/L	1	6/27/02 11:03:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.10	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	6/28/02 9:36:01 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	620	5.0	*	mg/L	1	6/28/02
ICP METALS						
	SW6010			PrepDate:	7/1/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.075	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00021	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0016	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.082	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0048	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	36	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.023	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate:	7/2/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate:	6/28/02	Analyst: JAS
Thallium	0.00061	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011			PrepDate:	7/9/02 3:05:40 PM	Analyst: TCZ

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-013**Collection Date:** 6/26/02 9:35:00 AM**Client Sample ID:** B 65 DUP**Sample Description:** 15826**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8011: EDB AND DBCP	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-013

Collection Date: 6/26/02 9:35:00 AM

Client Sample ID: B 65 DUP

Sample Description: 15826

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060736-014

Collection Date: 6/26/02 11:20:00 AM

Client Sample ID: B 66

Sample Description: 15827

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	593			umhos/cm		6/26/02 11:20:00 AM
Depth To Water	3.04					6/26/02 11:20:00 AM
Dissolved Oxygen	2.0			mg/L		6/26/02 11:20:00 AM
pH	6.42			S.U.		6/26/02 11:20:00 AM
Reference Elevation	31.27					6/26/02 11:20:00 AM
Temperature	25.9			deg C		6/26/02 11:20:00 AM
Turbidity	3.82			NTU		6/26/02 11:20:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	7.9	0.50		mg/L	1	6/27/02 11:17:00 PM
Nitrogen, Nitrate	0.36	0.050		mg/L	1	6/27/02 11:17:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

ELAB, Inc.
Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-014

Collection Date: 6/26/02 11:20:00 AM

Client Sample ID: B 66

Sample Description: 15827

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Sulfate	58	0.50		mg/L	1	6/27/02 11:17:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.03	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	6/28/02 9:36:01 AM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	340	5.0		mg/L	1	6/28/02
ICP METALS						
	SW6010			PrepDate:	7/1/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.030	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00018	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.15	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0040	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	12	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0077	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate:	7/2/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate:	6/28/02	Analyst: JAS
Thallium	0.0011	0.0010		mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011			PrepDate:	7/9/02 3:05:40 PM	Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



71

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-014**Collection Date:** 6/26/02 11:20:00 AM**Client Sample ID:** B 66**Sample Description:** 15827**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



42

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-014

Collection Date: 6/26/02 11:20:00 AM

Client Sample ID: B 66

Sample Description: 15827

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060736-015

Collection Date: 6/26/02 9:00:00 AM

Client Sample ID: EQ Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	ND	0.50		mg/L	1	6/27/02 11:31:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/27/02 11:31:00 PM
Sulfate	ND	0.50		mg/L	1	6/27/02 11:31:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.02	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 6/28/02 9:36:01 AM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	ND	5.0		mg/L	1	6/28/02
ICP METALS	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.00023	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Beryllium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



43

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-015**Collection Date:** 6/26/02 9:00:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	ND	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	0.0019	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	0.0028	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	ND	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00048	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470			PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate: 6/28/02		Analyst: JAS
Thallium	0.00054	0.0010	J	mg/L	1	7/1/02
8011: EDB AND DBCP						
	SW8011			PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



44

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736

Lab ID: F02060736-015

Collection Date: 6/26/02 9:00:00 AM

Client Sample ID: EQ Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.3	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060736**Lab ID:** F02060736-015**Collection Date:** 6/26/02 9:00:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060736-016**Collection Date:** 6/26/02**Client Sample ID:** Trip Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
1,2-Dibromoethane	ND	1.0		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060736**Lab ID:** F02060736-016**Collection Date:** 6/26/02**Client Sample ID:** Trip Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	ND	1.0		µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



Elab, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
(904) 672-5668 • FAX (904) 673-4001

ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

1. Client: (Company or Individual)

Volusia County

2. Report to: (if different from above)

Susan Gaze

3. Client Project Name:

Tonoka LF Semi Annual

4. Client Project No.:

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By: TH/PO

8. Shipping Method:

CHAIN OF CUSTODY RECORD

No. E 57210

Page 2 of 2

FOR LAB USE ONLY

Temp. of Contents:

Condition of Contents:

Address:

City: Daytona State: FL Zip Code:

Address:

City: Daytona State: FL Zip Code:

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FOR LAB USE ONLY

Submission No. 06-736

Report Type:

X Routine

Standard QC

Datapackage

Turnaround Time

X Standard

Rush: / /

Preservative Codes

(for Item 15)

C = Cool Only

H = Hydrochloric Acid

M = Monochloroacetic Acid

N = Nitric Acid

OH = Sodium Hydroxide

S = Sulfuric Acid

T = Sodium Thiosulfate

20 REMARK

LAB USE ONLY

LAB SAMPLE NO.

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FOR LAB USE ONLY

Temp. of Contents:

Condition of Contents:

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City: Daytona State: FL Zip Code:

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FOR LAB USE ONLY

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City: Daytona State: FL Zip Code:

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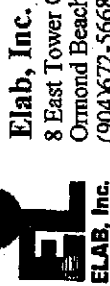
City: Daytona State: FL Zip Code:

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City: Daytona State: FL Zip Code:

Address:

City: Daytona State: FL Zip



Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32130
(904) 677-5668 • FAX (904) 677-5669

EL **Elab, Inc.**
8 East Tower Circle
Ormond Beach, FL 32174
(904) 672-5668 • FAX (904) 673-4001

CHAIN OF CUSTODY RECORD No. E 57211

No. E 57211

Page 2 of 2

1. Client: (Company or Individual)

Volusia County
Report to: (if different from above)

2. Report to: (if different from above)

Susan Gaze

3. Client Project Name:

Client Project Name: Tomoka Semi-Annual

4. Client Project No.:

5. P.O. No.:

5. Custody Seal No.:

7 Sampled By:

Thinning Method.

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Age Group	Percentage of Respondents
18-29	85%
30-49	80%
50-69	75%
70+	70%

10

1. RELINQU

2/

1 May 1997

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1000

10

1000

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99



AUG 20 2002

August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060788

Dear Ms. Susan Gaze:

ELAB, Inc. received 13 samples on 6/27/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 37.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jeff Baylor'.

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



2

ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-001**Collection Date:** 6/27/02 9:45:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	ND	0.50		mg/L	1	6/28/02 3:25:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/28/02 3:25:00 PM
Sulfate	ND	0.50		mg/L	1	6/28/02 3:25:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.02	0.050	J	mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	7/1/02 12:35:39 PM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	10	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate:	7/1/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00014	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	ND	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	ND	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.00043	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate:	7/1/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate:	7/1/02	Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011			PrepDate:	7/9/02 3:05:40 PM	Analyst: TCZ

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-001

Collection Date: 6/27/02 9:45:00 AM

Client Sample ID: EQ Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8011: EDB AND DBCP

SW8011

PrepDate: 7/9/02 3:05:40 PM

Analyst: TCZ

1,2-Dibromo-3-chloropropane

ND

0.020

µg/L

1

7/10/02

Ethylene Dibromide

ND

0.010

µg/L

1

7/10/02

8260: VOLATILE ORGANIC COMPOUNDS

SW8260

PrepDate: 7/8/02

Analyst: LGO

Acetone

ND

10

µg/L

1

7/8/02

Acrylonitrile

ND

1.0

µg/L

1

7/8/02

Benzene

ND

1.0

µg/L

1

7/8/02

Bromochloromethane

ND

1.0

µg/L

1

7/8/02

Bromodichloromethane

ND

0.60

µg/L

1

7/8/02

Bromoform

ND

1.0

µg/L

1

7/8/02

Bromomethane

ND

1.0

µg/L

1

7/8/02

2-Butanone

ND

10

µg/L

1

7/8/02

Carbon disulfide

ND

1.0

µg/L

1

7/8/02

Carbon tetrachloride

ND

1.0

µg/L

1

7/8/02

Chlorobenzene

ND

1.0

µg/L

1

7/8/02

Chloroethane

ND

1.0

µg/L

1

7/8/02

Chloroform

ND

1.0

µg/L

1

7/8/02

Chloromethane

ND

1.0

µg/L

1

7/8/02

Dibromochloromethane

ND

0.40

µg/L

1

7/8/02

Dibromomethane

ND

1.0

µg/L

1

7/8/02

trans-1,4-Dichloro-2-butene

ND

10

µg/L

1

7/8/02

1,2-Dichlorobenzene

ND

1.0

µg/L

1

7/8/02

1,4-Dichlorobenzene

ND

1.0

µg/L

1

7/8/02

1,1-Dichloroethane

ND

1.0

µg/L

1

7/8/02

1,2-Dichloroethane

ND

1.0

µg/L

1

7/8/02

1,1-Dichloroethene

ND

1.0

µg/L

1

7/8/02

cis-1,2-Dichloroethene

ND

1.0

µg/L

1

7/8/02

trans-1,2-Dichloroethene

ND

1.0

µg/L

1

7/8/02

1,2-Dichloropropane

ND

1.0

µg/L

1

7/8/02

cis-1,3-Dichloropropene

ND

0.20

µg/L

1

7/8/02

trans-1,3-Dichloropropene

ND

0.20

µg/L

1

7/8/02

Ethylbenzene

ND

1.0

µg/L

1

7/8/02

2-Hexanone

ND

10

µg/L

1

7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range.

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-001

Collection Date: 6/27/02 9:45:00 AM

Client Sample ID: EQ Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.2	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060788-002

Collection Date: 6/27/02 10:30:00 AM

Client Sample ID: B41-1

Sample Description: 15806

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	1214			umhos/cm		6/27/02 10:30:00 AM
Depth To Water	9.33					6/27/02 10:30:00 AM
Dissolved Oxygen	6.0			mg/L		6/27/02 10:30:00 AM
pH	6.13			S.U.		6/27/02 10:30:00 AM
Reference Elevation	29.14					6/27/02 10:30:00 AM
Temperature	22.8			deg C		6/27/02 10:30:00 AM
Turbidity	1.0			NTU		6/27/02 10:30:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	240	5.0		mg/L	10	6/28/02 3:39:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/28/02 3:39:00 PM

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

**ELAB, Inc.****Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-002**Collection Date:** 6/27/02 10:30:00 AM**Client Sample ID:** B41-1**Sample Description:** 15806**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Sulfate	20	5.0		mg/L	10	6/28/02 3:39:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	25	0.10	E	mg/L	2	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate:		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	1400	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010			PrepDate:		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.10	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00053	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0040	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	0.0069	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	22	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.0018	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	0.0018	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Sodium	170	0.50	*	mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.012	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470			PrepDate:		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841			PrepDate:		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011			PrepDate:		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-002**Collection Date:** 6/27/02 10:30:00 AM**Client Sample ID:** B41-1**Sample Description:** 15806**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
Acetone	1	10	J	µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	2.1	1.0	*	µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-002

Collection Date: 6/27/02 10:30:00 AM

Client Sample ID: B41-1

Sample Description: 15806

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	ND	1.0		µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060788-003

Collection Date: 6/27/02 10:30:00 AM

Client Sample ID: B41-1 DUP

Sample Description: 15806

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	1214			umhos/cm		6/27/02 10:30:00 AM
Depth To Water	8.33					6/27/02 10:30:00 AM
Dissolved Oxygen	6.0			mg/L		6/27/02 10:30:00 AM
pH	6.13			S.U.		6/27/02 10:30:00 AM
Reference Elevation	29.14					6/27/02 10:30:00 AM
Temperature	22.8			deg C		6/27/02 10:30:00 AM
Turbidity	1.0			NTU		6/27/02 10:30:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	220	5.0		mg/L	10	6/28/02 3:53:00 PM
Nitrogen, Nitrate	0.2	0.50	J	mg/L	10	6/28/02 3:53:00 PM
Sulfate	20	5.0		mg/L	10	6/28/02 3:53:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	26	0.10	E	mg/L	2	7/2/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-003

Collection Date: 6/27/02 10:30:00 AM

Client Sample ID: B41-1 DUP

Sample Description: 15806

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	1200	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.10	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00048	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0037	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	0.0062	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	22	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	0.0012	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Sodium	170	0.50	*	mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.011	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	0.00032	0.0010	J	mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	2.1	1.0	*	µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-003

Collection Date: 6/27/02 10:30:00 AM

Client Sample ID: B41-1 DUP

Sample Description: 15806

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-003**Collection Date:** 6/27/02 10:30:00 AM**Client Sample ID:** B41-1 DUP**Sample Description:** 15806**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Toluene	0.5	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060788-004**Collection Date:** 6/27/02 11:00:00 AM**Client Sample ID:** B41-2**Sample Description:** 15807**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	817			umhos/cm		6/27/02 11:00:00 AM
Depth To Water	4.94					6/27/02 11:00:00 AM
Dissolved Oxygen	0.5			mg/L		6/27/02 11:00:00 AM
pH	6.59			S.U.		6/27/02 11:00:00 AM
Reference Elevation	29.26					6/27/02 11:00:00 AM
Temperature	23.5			deg C		6/27/02 11:00:00 AM
Turbidity	2.5			NTU		6/27/02 11:00:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	57	5.0		mg/L	10	6/28/02 4:07:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/28/02 4:07:00 PM
Sulfate	78	5.0		mg/L	10	6/28/02 4:07:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	8.2	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	920	5.0	*	mg/L	1	7/1/02 11:00:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-004**Collection Date:** 6/27/02 11:00:00 AM**Client Sample ID:** B41-2**Sample Description:** 15807**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	0.0039	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Barium	0.062	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00024	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0032	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	0.0032	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	1.0	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.0081	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	45	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0060	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
				PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/1/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 3:05:40 PM		Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/10/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/10/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



12

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-004**Collection Date:** 6/27/02 11:00:00 AM**Client Sample ID:** B41-2**Sample Description:** 15807**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	0.2	1.0	J	µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.6	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



13

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-004**Collection Date:** 6/27/02 11:00:00 AM**Client Sample ID:** B41-2**Sample Description:** 15807**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060788-005**Collection Date:** 6/27/02 12:30:00 PM**Client Sample ID:** B42-1**Sample Description:** 15808**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	814			umhos/cm		6/27/02 12:30:00 PM
Depth To Water	7.44					6/27/02 12:30:00 PM
Dissolved Oxygen	1.5			mg/L		6/27/02 12:30:00 PM
pH	5.70			S.U.		6/27/02 12:30:00 PM
Reference Elevation	28.50					6/27/02 12:30:00 PM
Temperature	22.1			deg C		6/27/02 12:30:00 PM
Turbidity	0.75			NTU		6/27/02 12:30:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	130	5.0		mg/L	10	6/28/02 4:22:00 PM
Nitrogen, Nitrate	ND	0.50		mg/L	10	6/28/02 4:22:00 PM
Sulfate	280	5.0		mg/L	10	6/28/02 4:22:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.37	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	890	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010			PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.19	0.010		mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



17

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-005**Collection Date:** 6/27/02 12:30:00 PM**Client Sample ID:** B42-1**Sample Description:** 15808**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/1/02		Analyst: EM
Beryllium	0.00025	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0015	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	20	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	78	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0024	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
				PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/1/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-005

Collection Date: 6/27/02 12:30:00 PM

Client Sample ID: B42-1

Sample Description: 15808

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.4	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



16

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-005**Collection Date:** 6/27/02 12:30:00 PM**Client Sample ID:** B42-1**Sample Description:** 15808**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Lab ID: F02060788-006**Collection Date:** 6/27/02 1:00:00 PM**Client Sample ID:** B42-2**Sample Description:** 15809**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	531			umhos/cm		6/27/02 1:00:00 PM
Depth To Water	4.12					6/27/02 1:00:00 PM
Dissolved Oxygen	0.9			mg/L		6/27/02 1:00:00 PM
pH	5.91			S.U.		6/27/02 1:00:00 PM
Reference Elevation	28.36					6/27/02 1:00:00 PM
Temperature	23.0			deg C		6/27/02 1:00:00 PM
Turbidity	10			NTU		6/27/02 1:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	29	0.50		mg/L	1	6/28/02 5:18:00 PM
Nitrogen, Nitrate	1.4	0.050		mg/L	1	6/28/02 5:18:00 PM
Sulfate	88	0.50		mg/L	1	6/28/02 5:18:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.58	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	410	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010			PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.047	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00020	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.00092	0.0050	J	mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



17

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-006**Collection Date:** 6/27/02 1:00:00 PM**Client Sample ID:** B42-2**Sample Description:** 15809**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/1/02		Analyst: EM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.14	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0041	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	31	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0063	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
				PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/1/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/8/02
Acrylonitrile	ND	1.0		µg/L	1	7/8/02
Benzene	ND	1.0		µg/L	1	7/8/02
Bromochloromethane	ND	1.0		µg/L	1	7/8/02
Bromodichloromethane	ND	0.60		µg/L	1	7/8/02
Bromoform	ND	1.0		µg/L	1	7/8/02
Bromomethane	ND	1.0		µg/L	1	7/8/02
2-Butanone	ND	10		µg/L	1	7/8/02
Carbon disulfide	ND	1.0		µg/L	1	7/8/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/8/02
Chlorobenzene	ND	1.0		µg/L	1	7/8/02
Chloroethane	ND	1.0		µg/L	1	7/8/02
Chloroform	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



18

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-006**Collection Date:** 6/27/02 1:00:00 PM**Client Sample ID:** B42-2**Sample Description:** 15809**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
Chloromethane	ND	1.0		µg/L	1	7/8/02
Dibromochloromethane	ND	0.40		µg/L	1	7/8/02
Dibromomethane	ND	1.0		µg/L	1	7/8/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/8/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/8/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/8/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/8/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/8/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/8/02
Ethylbenzene	ND	1.0		µg/L	1	7/8/02
2-Hexanone	ND	10		µg/L	1	7/8/02
Iodomethane	ND	1.0		µg/L	1	7/8/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/8/02
Methylene chloride	ND	5.0		µg/L	1	7/8/02
Styrene	ND	1.0		µg/L	1	7/8/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/8/02
Tetrachloroethene	ND	1.0		µg/L	1	7/8/02
Toluene	0.3	1.0	J	µg/L	1	7/8/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/8/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/8/02
Trichloroethene	ND	1.0		µg/L	1	7/8/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/8/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/8/02
Vinyl acetate	ND	2.0		µg/L	1	7/8/02
Vinyl chloride	ND	1.0		µg/L	1	7/8/02
Xylenes, Total	ND	1.0		µg/L	1	7/8/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



19

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-007**Collection Date:** 6/27/02 6:00:00 PM**Client Sample ID:** B33-2**Sample Description:** 15793**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
Conductivity	997			umhos/cm		6/27/02 6:00:00 PM
Depth To Water	7.16					6/27/02 6:00:00 PM
Dissolved Oxygen	1.3			mg/L		6/27/02 6:00:00 PM
pH	6.49			S.U.		6/27/02 6:00:00 PM
Reference Elevation	32.10					6/27/02 6:00:00 PM
Temperature	24.9			deg C		6/27/02 6:00:00 PM
Turbidity	26.8			NTU		6/27/02 6:00:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	430	5.0	*	mg/L	10	6/28/02 5:33:00 PM
Nitrogen, Nitrate	0.90	0.50		mg/L	10	6/28/02 5:33:00 PM
Sulfate	33	5.0		mg/L	10	6/28/02 5:33:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.56	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	1700	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	0.0071	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.18	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00051	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.010	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	0.0064	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	11	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	0.0040	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Nickel	0.051	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0048	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	300	0.50	*	mg/L	1	7/1/02 10:20:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



26

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-007

Collection Date: 6/27/02 6:00:00 PM

Client Sample ID: B33-2

Sample Description: 15793

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
Vanadium	0.038	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



21

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-007**Collection Date:** 6/27/02 6:00:00 PM**Client Sample ID:** B33-2**Sample Description:** 15793**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	ND	1.0		µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-008**Collection Date:** 6/27/02 3:10:00 PM**Client Sample ID:** B58-2**Sample Description:** 15816**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		E120.1		PrepDate:		Analyst:
Conductivity	319			umhos/cm		6/27/02 3:10:00 PM
Depth To Water	7.79					6/27/02 3:10:00 PM
Dissolved Oxygen	4.2			mg/L		6/27/02 3:10:00 PM
pH	5.34			S.U.		6/27/02 3:10:00 PM
Reference Elevation	29.57					6/27/02 3:10:00 PM
Temperature	25.1			deg C		6/27/02 3:10:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



22

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-008**Collection Date:** 6/27/02 3:10:00 PM**Client Sample ID:** B58-2**Sample Description:** 15816**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Turbidity	3.9			NTU		6/27/02 3:10:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	12	0.50		mg/L	1	6/28/02 5:47:00 PM
Nitrogen, Nitrate	1.1	0.050		mg/L	1	6/28/02 5:47:00 PM
Sulfate	73	0.50		mg/L	1	6/28/02 5:47:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.18	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	230	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.070	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.0011	0.0010		mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0013	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	0.0051	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	3.0	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.010	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	16	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0048	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



23

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-008**Collection Date:** 6/27/02 3:10:00 PM**Client Sample ID:** B58-2**Sample Description:** 15816**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.035		µg/L	1	7/12/02
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.018		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-008

Collection Date: 6/27/02 3:10:00 PM

Client Sample ID: B58-2

Sample Description: 15816

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	0.3	1.0	J	µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-009

Collection Date: 6/27/02 3:29:00 PM

Client Sample ID: B58-1

Sample Description: 15815

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	426			umhos/cm		6/27/02 3:29:00 PM
Depth To Water	10.14					6/27/02 3:29:00 PM
Dissolved Oxygen	1.2			mg/L		6/27/02 3:29:00 PM
pH	5.72			S.U.		6/27/02 3:29:00 PM
Reference Elevation	29.02					6/27/02 3:29:00 PM
Temperature	23.7			deg C		6/27/02 3:29:00 PM
Turbidity	1.5			NTU		6/27/02 3:29:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-009**Collection Date:** 6/27/02 3:29:00 PM**Client Sample ID:** B58-1**Sample Description:** 15815**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	18	0.50		mg/L	1	6/28/02 6:01:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/28/02 6:01:00 PM
Sulfate	110	0.50		mg/L	1	6/28/02 6:01:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.13	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	7/1/02 12:35:39 PM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	340	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate:	7/1/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	0.0036	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Barium	0.050	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00015	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0010	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	11	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.0016	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0045	0.0050	J	mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	27	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0015	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	0.032	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate:	7/1/02	Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate:	7/1/02	Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011			PrepDate:	7/9/02 2:56:24 PM	Analyst: KHA

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



26

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-009**Collection Date:** 6/27/02 3:29:00 PM**Client Sample ID:** B58-1**Sample Description:** 15815**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8011: EDB AND DBCP	SW8011					
						PrepDate: 7/9/02 2:56:24 PM Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
						PrepDate: 7/8/02 Analyst: LGO
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



27

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-009

Collection Date: 6/27/02 3:29:00 PM

Client Sample ID: B58-1

Sample Description: 15815

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	0.3	1.0	J	µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-010

Collection Date: 6/27/02 4:18:00 PM

Client Sample ID: B34-1

Sample Description: 15794

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	487			umhos/cm		6/27/02 4:18:00 PM
Depth To Water	2.27					6/27/02 4:18:00 PM
Dissolved Oxygen	2.6			mg/L		6/27/02 4:18:00 PM
pH	6.81			S.U.		6/27/02 4:18:00 PM
Reference Elevation	31.18					6/27/02 4:18:00 PM
Temperature	23.9			deg C		6/27/02 4:18:00 PM
Turbidity	37			NTU		6/27/02 4:18:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	18	0.50		mg/L	1	6/28/02 6:15:00 PM
Nitrogen, Nitrate	3.0	0.050		mg/L	1	6/28/02 6:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



28

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-010

Collection Date: 6/27/02 4:18:00 PM

Client Sample ID: B34-1

Sample Description: 15794

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Sulfate	46	0.50		mg/L	1	6/28/02 6:15:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.054	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	410	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.042	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00015	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.25	0.040		mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	0.0017	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	12	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0014	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



29

ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-010**Collection Date:** 6/27/02 4:18:00 PM**Client Sample ID:** B34-1**Sample Description:** 15794**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



30

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-010

Collection Date: 6/27/02 4:18:00 PM

Client Sample ID: B34-1

Sample Description: 15794

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	0.4	1.0	J	µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-011

Collection Date: 6/27/02 4:42:00 PM

Client Sample ID: B34-2

Sample Description: 15795

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	498			umhos/cm		6/27/02 4:42:00 PM
Depth To Water	3.81					6/27/02 4:42:00 PM
Dissolved Oxygen	0.90			mg/L		6/27/02 4:42:00 PM
pH	6.42			S.U.		6/27/02 4:42:00 PM
Reference Elevation	31.21					6/27/02 4:42:00 PM
Temperature	22.6			deg C		6/27/02 4:42:00 PM
Turbidity	1.1			NTU		6/27/02 4:42:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	33	0.50		mg/L	1	6/28/02 6:29:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/28/02 6:29:00 PM
Sulfate	40	0.50		mg/L	1	6/28/02 6:29:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.11	0.050		mg/L	1	7/1/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-011

Collection Date: 6/27/02 4:42:00 PM

Client Sample ID: B34-2

Sample Description: 15795

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					
	PrepDate: 7/1/02 12:35:39 PM					Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	380	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
	PrepDate: 7/1/02					Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.051	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00015	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	9.9	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	36	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0010	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY	SW7470					
	PrepDate: 7/1/02					Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
	PrepDate: 7/1/02					Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
	PrepDate: 7/9/02 2:56:24 PM					Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
	PrepDate: 7/8/02					Analyst: LGO
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



32

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-011**Collection Date:** 6/27/02 4:42:00 PM**Client Sample ID:** B34-2**Sample Description:** 15795**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-011**Collection Date:** 6/27/02 4:42:00 PM**Client Sample ID:** B34-2**Sample Description:** 15795**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Toluene	ND	1.0		µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-012**Collection Date:** 6/27/02 5:45:00 PM**Client Sample ID:** B33-1**Sample Description:** 15792**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	424			umhos/cm		6/27/02 5:45:00 PM
Depth To Water	7.31					6/27/02 5:45:00 PM
Dissolved Oxygen	1.2			mg/L		6/27/02 5:45:00 PM
pH	6.27			S.U.		6/27/02 5:45:00 PM
Reference Elevation	32.82					6/27/02 5:45:00 PM
Temperature	24.0			deg C		6/27/02 5:45:00 PM
Turbidity	60			NTU		6/27/02 5:45:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	42	0.50		mg/L	1	6/28/02 6:43:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/28/02 6:43:00 PM
Sulfate	0.87	0.50		mg/L	1	6/28/02 6:43:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.28	0.050		mg/L	1	7/1/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	470	5.0		mg/L	1	7/1/02 11:00:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



32

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788**Lab ID:** F02060788-012**Collection Date:** 6/27/02 5:45:00 PM**Client Sample ID:** B33-1**Sample Description:** 15792**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010			PrepDate: 7/1/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.037	0.010		mg/L	1	7/1/02 10:20:00 AM
Beryllium	0.00056	0.0010	J	mg/L	1	7/1/02 10:20:00 AM
Cadmium	ND	0.0010		mg/L	1	7/1/02 10:20:00 AM
Chromium	0.0083	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Copper	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	8.3	0.040	*	mg/L	1	7/1/02 10:20:00 AM
Lead	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	0.0056	0.0050		mg/L	1	7/1/02 10:20:00 AM
Silver	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Sodium	48	0.50		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.013	0.010		mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
MERCURY						
	SW7470			PrepDate: 7/1/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841			PrepDate: 7/1/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011			PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-012

Collection Date: 6/27/02 5:45:00 PM

Client Sample ID: B33-1

Sample Description: 15792

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/8/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	ND	5.0		µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	ND	1.0		µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



36

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060788**Lab ID:** F02060788-012**Collection Date:** 6/27/02 5:45:00 PM**Client Sample ID:** B33-1**Sample Description:** 15792**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Lab ID: F02060788-013**Collection Date:** 6/27/02**Client Sample ID:** Trip Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/9/02
Acrylonitrile	ND	1.0		µg/L	1	7/9/02
Benzene	ND	1.0		µg/L	1	7/9/02
Bromochloromethane	ND	1.0		µg/L	1	7/9/02
Bromodichloromethane	ND	0.60		µg/L	1	7/9/02
Bromoform	ND	1.0		µg/L	1	7/9/02
Bromomethane	ND	1.0		µg/L	1	7/9/02
2-Butanone	ND	10		µg/L	1	7/9/02
Carbon disulfide	ND	1.0		µg/L	1	7/9/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/9/02
Chlorobenzene	ND	1.0		µg/L	1	7/9/02
Chloroethane	ND	1.0		µg/L	1	7/9/02
Chloroform	ND	1.0		µg/L	1	7/9/02
Chloromethane	ND	1.0		µg/L	1	7/9/02
Dibromochloromethane	ND	0.40		µg/L	1	7/9/02
1,2-Dibromoethane	ND	1.0		µg/L	1	7/9/02
Dibromomethane	ND	1.0		µg/L	1	7/9/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/9/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/9/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



37

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060788

Lab ID: F02060788-013

Collection Date: 6/27/02

Client Sample ID: Trip Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/8/02		Analyst: LGO
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/9/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/9/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/9/02
Ethylbenzene	ND	1.0		µg/L	1	7/9/02
2-Hexanone	ND	10		µg/L	1	7/9/02
Iodomethane	ND	1.0		µg/L	1	7/9/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/9/02
Methylene chloride	0.5	5.0	J	µg/L	1	7/9/02
Styrene	ND	1.0		µg/L	1	7/9/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/9/02
Tetrachloroethene	ND	1.0		µg/L	1	7/9/02
Toluene	0.8	1.0	J	µg/L	1	7/9/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/9/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/9/02
Trichloroethene	ND	1.0		µg/L	1	7/9/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/9/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/9/02
Vinyl acetate	ND	2.0		µg/L	1	7/9/02
Vinyl chloride	ND	1.0		µg/L	1	7/9/02
Xylenes, Total	ND	1.0		µg/L	1	7/9/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



AUG 20 2002

August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060826

Dear Ms. Susan Gaze:

ELAB, Inc. received 1 sample on 6/28/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 5.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,


Jeff Baylor

Project Manager

Elab, Inc.

P.O. Box 468

Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



2

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060826

Lab ID: F02060826-001

Collection Date: 6/28/02 11:15:00 AM

Client Sample ID: SW-1

Sample Description: 15830

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Conductivity	1255			umhos/cm		6/28/02 11:15:00 AM
Dissolved Oxygen	3.7			mg/L		6/28/02 11:15:00 AM
pH	7.35			S.U.		6/28/02 11:15:00 AM
Temperature	30.5			deg C		6/28/02 11:15:00 AM
Turbidity	10.30			NTU		6/28/02 11:15:00 AM
BOD, 5 DAY, 20°C	E405.1					
Biochemical Oxygen Demand	5.5	2.0		mg/L	1	7/3/02
CARBON, TOTAL ORGANIC	E415.1					
Organic Carbon, Total	1.0	1.0		mg/L	1	7/5/02
CHEMICAL OXYGEN DEMAND	E410.4					
Chemical Oxygen Demand	41	10		mg/L	1	7/2/02
CHLOROPHYLL & PHEOPHYTIN	SM10200H					
Chlorophyll a	18	1.0		mg/m³	1	7/2/02
NITROGEN, AMMONIA, IONIZED	E350.1					
Nitrogen, Ammonia (As N)	0.03	0.050	J	mg/L	1	7/2/02
NITROGEN, NITRATE-NITRITE	E353.2					
Nitrogen, Nitrate-Nitrite	0.02	0.050	J	mg/L	1	7/3/02 10:58:00 AM
NITROGEN, TOTAL	SM4500-N C					
Nitrogen, Total	1.0	0.050		mg/L	1	7/8/02
NITROGEN, TOTAL KJELDAHL	E351.2					
Nitrogen, Kjeldahl, Total	1.0	0.50		mg/L	1	7/3/02
PHOSPHORUS, TOTAL	E365.4					
Phosphorus, Total (as P)	0.03	0.10	J	mg/L	1	7/3/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	93	5.0		mg/L	1	7/1/02 11:00:00 AM
SOLIDS, TOTAL SUSPENDED	E160.2					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



3

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060826**Lab ID:** F02060826-001**Collection Date:** 6/28/02 11:15:00 AM**Client Sample ID:** SW-1**Sample Description:** 15830**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL SUSPENDED	E160.2					
Solids, Suspended (Residue, Non-Filterable)	22	5.0		mg/L	1	7/1/02 2:00:00 PM
BERYLLIUM BY GFAA	E210.2					
Beryllium	ND	0.00010		mg/L	1	7/9/02
CADMIUM BY GFAA	E213.2					
Cadmium	0.000090	0.00010	J	mg/L	1	7/3/02 2:00:00 PM
COPPER BY GFAA	E220.2					
Copper	0.00090	0.0010	J	mg/L	1	7/8/02
ICP METALS	E200.7					
Antimony	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Arsenic	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Barium	0.0040	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Chromium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Cobalt	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Iron	0.27	0.040		mg/L	1	7/1/02 10:20:00 AM
Nickel	ND	0.010		mg/L	1	7/1/02 10:20:00 AM
Selenium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Sodium	11	0.50		mg/L	1	7/1/02 10:20:00 AM
Thallium	ND	0.0050		mg/L	1	7/1/02 10:20:00 AM
Vanadium	0.0013	0.010	J	mg/L	1	7/1/02 10:20:00 AM
Zinc	ND	0.020		mg/L	1	7/1/02 10:20:00 AM
Hardness, Total (as CaCO ₃)	14	1.2		mg/L	1	7/1/02 10:20:00 AM
LEAD BY GFAA	E239.2					
Lead	0.0015	0.0010		mg/L	1	7/5/02 9:25:00 AM
MERCURY	E245.1					
Mercury	ND	0.00010		mg/L	1	7/3/02
SILVER BY GFAA	E272.2					
Silver	0.000022	0.000070	J	mg/L	1	7/10/02
504: EDB/DBCP	E504.1					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060826

Lab ID: F02060826-001

Collection Date: 6/28/02 11:15:00 AM

Client Sample ID: SW-1

Sample Description: 15830

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
504: EDB/DBCP	E504.1					
	PrepDate:	7/9/02 3:03:39 PM				Analyst: TCZ
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/9/02
1,2-Dibromoethane	ND	0.010		µg/L	1	7/9/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
	PrepDate:	7/10/02				Analyst: LGO
Acetone	ND	10		µg/L	1	7/10/02
Acrylonitrile	ND	1.0		µg/L	1	7/10/02
Benzene	ND	1.0		µg/L	1	7/10/02
Bromochloromethane	ND	1.0		µg/L	1	7/10/02
Bromodichloromethane	ND	0.60		µg/L	1	7/10/02
Bromoform	ND	1.0		µg/L	1	7/10/02
Bromomethane	ND	1.0		µg/L	1	7/10/02
2-Butanone	ND	10		µg/L	1	7/10/02
Carbon disulfide	ND	1.0		µg/L	1	7/10/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/10/02
Chlorobenzene	ND	1.0		µg/L	1	7/10/02
Chloroethane	ND	1.0		µg/L	1	7/10/02
Chloroform	ND	1.0		µg/L	1	7/10/02
Chloromethane	ND	1.0		µg/L	1	7/10/02
Dibromochloromethane	ND	0.40		µg/L	1	7/10/02
Dibromomethane	ND	1.0		µg/L	1	7/10/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/10/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/10/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/10/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
Ethylbenzene	ND	1.0		µg/L	1	7/10/02
2-Hexanone	ND	10		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060826

Lab ID: F02060826-001

Collection Date: 6/28/02 11:15:00 AM

Client Sample ID: SW-1

Sample Description: 15830

Matrix: Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/10/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/10/02
Methylene chloride	ND	5.0		µg/L	1	7/10/02
Styrene	ND	1.0		µg/L	1	7/10/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/10/02
Tetrachloroethene	ND	1.0		µg/L	1	7/10/02
Toluene	0.5	1.0	J	µg/L	1	7/10/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/10/02
Trichloroethene	ND	1.0		µg/L	1	7/10/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/10/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/10/02
Vinyl acetate	ND	2.0		µg/L	1	7/10/02
Vinyl chloride	ND	1.0		µg/L	1	7/10/02
Xylenes, Total	ND	1.0		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
ELAB, Inc. (904)672-5668 • FAX (904)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF STUDY RECORD

No. E 59045

Page of

FOR LAB USE ONLY

Temp. of Contents: °C (or Received on Ice, ROI) Condition of Seals: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Address: _____
City: _____ State: _____ Zip Code: _____

FOR LAB USE ONLY

Submission No. 06-826
18. Report Type: _____
Routine
Standard QC
Datapackage
19. Turnaround Time: _____
Standard
Rush: / /

1. Client: (Company or Individual)

Tomoka S/A

2. Report to: (if different from above)

3. Client Project Name:

Surface water

4. Client Project No.:

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By: K P

8. Shipping Method:

Water Sample Codes (for Item 13)

DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)

V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

14. No. of Containers

15. Preservatives
16. Containers
17. Analyses Requested

15. Preservatives

16. Containers
17. Analyses Requested

15. Preservatives

16. Containers
17. Analyses Requested

15. Preservatives

16. Containers
17. Analyses Requested

15. Preservatives

16. Containers
17. Analyses Requested

LAB USE ONLY
LAB SAMPLE NO.

20. REMARK

Chlorophyll A
TDC
8011
8260
Metals

11. Sample ID or No.

12. Sample Description

13. Date

14. Time

15. Comp.

16. Grab

17. Water

18. (Code)

19. Air

20. Soil

21. Sludge

22. Other

23. 11

24. 12

25. 13

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AUG 20 2002



August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060830

Dear Ms. Susan Gaze:

ELAB, Inc. received 7 samples on 6/28/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 20.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Baylor'.

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-001

Collection Date: 6/28/02 12:00:00 PM

Client Sample ID: B 32

Sample Description: 15791

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
Conductivity	299			umhos/cm		6/28/02 12:00:00 PM
Depth To Water	4.31					6/28/02 12:00:00 PM
Dissolved Oxygen	1.2			mg/L		6/28/02 12:00:00 PM
pH	6.86			S.U.		6/28/02 12:00:00 PM
Reference Elevation	30.51					6/28/02 12:00:00 PM
Temperature	24.5			deg C		6/28/02 12:00:00 PM
Turbidity	103.1			NTU		6/28/02 12:00:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	26	0.50		mg/L	1	7/1/02 6:23:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 6:23:00 PM
Sulfate	6.8	0.50		mg/L	1	7/1/02 6:23:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.13	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	7/1/02 12:35:39 PM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	330	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate:	7/2/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0040	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.053	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00013	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0013	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0025	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.00094	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	5.6	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0020	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0023	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	26	0.50		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-001

Collection Date: 6/28/02 12:00:00 PM

Client Sample ID: B 32

Sample Description: 15791

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
Vanadium	0.0040	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/10/02
Acrylonitrile	ND	1.0		µg/L	1	7/10/02
Benzene	ND	1.0		µg/L	1	7/10/02
Bromochloromethane	ND	1.0		µg/L	1	7/10/02
Bromodichloromethane	ND	0.60		µg/L	1	7/10/02
Bromoform	ND	1.0		µg/L	1	7/10/02
Bromomethane	ND	1.0		µg/L	1	7/10/02
2-Butanone	ND	10		µg/L	1	7/10/02
Carbon disulfide	ND	1.0		µg/L	1	7/10/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/10/02
Chlorobenzene	ND	1.0		µg/L	1	7/10/02
Chloroethane	ND	1.0		µg/L	1	7/10/02
Chloroform	ND	1.0		µg/L	1	7/10/02
Chloromethane	ND	1.0		µg/L	1	7/10/02
Dibromochloromethane	ND	0.40		µg/L	1	7/10/02
Dibromomethane	ND	1.0		µg/L	1	7/10/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/10/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-001

Collection Date: 6/28/02 12:00:00 PM

Client Sample ID: B 32

Sample Description: 15791

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
1,1-Dichloroethene	ND	1.0		µg/L	1	7/10/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/10/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
Ethylbenzene	ND	1.0		µg/L	1	7/10/02
2-Hexanone	ND	10		µg/L	1	7/10/02
Iodomethane	ND	1.0		µg/L	1	7/10/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/10/02
Methylene chloride	ND	5.0		µg/L	1	7/10/02
Styrene	ND	1.0		µg/L	1	7/10/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/10/02
Tetrachloroethene	ND	1.0		µg/L	1	7/10/02
Toluene	ND	1.0		µg/L	1	7/10/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/10/02
Trichloroethene	ND	1.0		µg/L	1	7/10/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/10/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/10/02
Vinyl acetate	ND	2.0		µg/L	1	7/10/02
Vinyl chloride	ND	1.0		µg/L	1	7/10/02
Xylenes, Total	ND	1.0		µg/L	1	7/10/02

Lab ID: F02060830-002

Collection Date: 6/28/02 11:31:00 AM

Client Sample ID: B 5B

Sample Description: 15403

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	907			umhos/cm		6/28/02 11:31:00 AM
Depth To Water	4.60					6/28/02 11:31:00 AM
Dissolved Oxygen	1.2			mg/L		6/28/02 11:31:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-002

Collection Date: 6/28/02 11:31:00 AM

Client Sample ID: B 5B

Sample Description: 15403

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
pH	6.68			S.U.		6/28/02 11:31:00 AM
Reference Elevation	32.66					6/28/02 11:31:00 AM
Temperature	23.9			deg C		6/28/02 11:31:00 AM
Turbidity	2.24			NTU		6/28/02 11:31:00 AM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	33	0.50		mg/L	1	7/1/02 6:37:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 6:37:00 PM
Sulfate	1.2	0.50		mg/L	1	7/1/02 6:37:00 PM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.22	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 7/1/02 12:35:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	680	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0029	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.082	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00011	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0053	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	15	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	43	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00064	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-002**Collection Date:** 6/28/02 11:31:00 AM**Client Sample ID:** B 5B**Sample Description:** 15403**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY	SW7470					
				PrepDate: 7/2/02		Analyst: JAS
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
				PrepDate: 7/1/02		Analyst: EM
Thallium	0.00060	0.0010	J	mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/10/02
Acrylonitrile	ND	1.0		µg/L	1	7/10/02
Benzene	ND	1.0		µg/L	1	7/10/02
Bromochloromethane	ND	1.0		µg/L	1	7/10/02
Bromodichloromethane	ND	0.60		µg/L	1	7/10/02
Bromoform	ND	1.0		µg/L	1	7/10/02
Bromomethane	ND	1.0		µg/L	1	7/10/02
2-Butanone	ND	10		µg/L	1	7/10/02
Carbon disulfide	ND	1.0		µg/L	1	7/10/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/10/02
Chlorobenzene	ND	1.0		µg/L	1	7/10/02
Chloroethane	ND	1.0		µg/L	1	7/10/02
Chloroform	ND	1.0		µg/L	1	7/10/02
Chloromethane	ND	1.0		µg/L	1	7/10/02
Dibromochloromethane	ND	0.40		µg/L	1	7/10/02
Dibromomethane	ND	1.0		µg/L	1	7/10/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/10/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/10/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-002**Collection Date:** 6/28/02 11:31:00 AM**Client Sample ID:** B 5B**Sample Description:** 15403**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
1,2-Dichloropropane	ND	1.0		µg/L	1	7/10/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
Ethylbenzene	ND	1.0		µg/L	1	7/10/02
2-Hexanone	ND	10		µg/L	1	7/10/02
Iodomethane	ND	1.0		µg/L	1	7/10/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/10/02
Methylene chloride	ND	5.0		µg/L	1	7/10/02
Styrene	ND	1.0		µg/L	1	7/10/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/10/02
Tetrachloroethene	ND	1.0		µg/L	1	7/10/02
Toluene	0.4	1.0	J	µg/L	1	7/10/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/10/02
Trichloroethene	ND	1.0		µg/L	1	7/10/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/10/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/10/02
Vinyl acetate	ND	2.0		µg/L	1	7/10/02
Vinyl chloride	ND	1.0		µg/L	1	7/10/02
Xylenes, Total	ND	1.0		µg/L	1	7/10/02

Lab ID: F02060830-003**Collection Date:** 6/28/02 12:10:00 PM**Client Sample ID:** FA-1B**Sample Description:** 15639**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	420			umhos/cm		6/28/02 12:10:00 PM
Depth To Water	13.00					6/28/02 12:10:00 PM
Dissolved Oxygen	1.7			mg/L		6/28/02 12:10:00 PM
pH	7.51			S.U.		6/28/02 12:10:00 PM
Reference Elevation	32.16					6/28/02 12:10:00 PM
Temperature	27.9			deg C		6/28/02 12:10:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

**ELAB, Inc.****Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060830**Lab ID:** F02060830-003**Collection Date:** 6/28/02 12:10:00 PM**Client Sample ID:** FA-1B**Sample Description:** 15639**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Turbidity	3.50			NTU		6/28/02 12:10:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	14	0.50		mg/L	1	7/1/02 6:52:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 6:52:00 PM
Sulfate	ND	0.50		mg/L	1	7/1/02 6:52:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.38	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	380	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.017	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.000090	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00076	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0027	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	0.22	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	11	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00041	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



9

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-003**Collection Date:** 6/28/02 12:10:00 PM**Client Sample ID:** FA-1B**Sample Description:** 15639**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/10/02
Acrylonitrile	ND	1.0		µg/L	1	7/10/02
Benzene	ND	1.0		µg/L	1	7/10/02
Bromochloromethane	ND	1.0		µg/L	1	7/10/02
Bromodichloromethane	ND	0.60		µg/L	1	7/10/02
Bromoform	ND	1.0		µg/L	1	7/10/02
Bromomethane	ND	1.0		µg/L	1	7/10/02
2-Butanone	ND	10		µg/L	1	7/10/02
Carbon disulfide	ND	1.0		µg/L	1	7/10/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/10/02
Chlorobenzene	ND	1.0		µg/L	1	7/10/02
Chloroethane	ND	1.0		µg/L	1	7/10/02
Chloroform	ND	1.0		µg/L	1	7/10/02
Chloromethane	ND	1.0		µg/L	1	7/10/02
Dibromochloromethane	ND	0.40		µg/L	1	7/10/02
Dibromomethane	ND	1.0		µg/L	1	7/10/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/10/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/10/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/10/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/10/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/10/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/10/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

ELAB, Inc.
Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-003

Collection Date: 6/28/02 12:10:00 PM

Client Sample ID: FA-1B

Sample Description: 15639

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS **SW8260** **PrepDate:** 7/10/02 **Analyst:** LGO

Ethylbenzene	ND	1.0		µg/L	1	7/10/02
2-Hexanone	ND	10		µg/L	1	7/10/02
Iodomethane	ND	1.0		µg/L	1	7/10/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/10/02
Methylene chloride	ND	5.0		µg/L	1	7/10/02
Styrene	ND	1.0		µg/L	1	7/10/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/10/02
Tetrachloroethene	ND	1.0		µg/L	1	7/10/02
Toluene	0.2	1.0	J	µg/L	1	7/10/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/10/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/10/02
Trichloroethene	ND	1.0		µg/L	1	7/10/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/10/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/10/02
Vinyl acetate	ND	2.0		µg/L	1	7/10/02
Vinyl chloride	ND	1.0		µg/L	1	7/10/02
Xylenes, Total	ND	1.0		µg/L	1	7/10/02

Lab ID: F02060830-004

Collection Date: 6/28/02 10:15:00 AM

Client Sample ID: FA-2C

Sample Description: 15638

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS
E120.1
PrepDate:
Analyst:

Conductivity	869			umhos/cm		6/28/02 10:15:00 AM
Depth To Water	10.88					6/28/02 10:15:00 AM
Dissolved Oxygen	1.3			mg/L		6/28/02 10:15:00 AM
pH	8.82			S.U.		6/28/02 10:15:00 AM
Reference Elevation	26.90					6/28/02 10:15:00 AM
Temperature	23.4			deg C		6/28/02 10:15:00 AM
Turbidity	2.59			NTU		6/28/02 10:15:00 AM

ANIONS BY ION CHROMATOGRAPHY
E300.0
PrepDate:
Analyst: KFE

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

**ELAB, Inc.****Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-004**Collection Date:** 6/28/02 10:15:00 AM**Client Sample ID:** FA-2C**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	69	0.50		mg/L	1	7/1/02 7:06:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 7:06:00 PM
Sulfate	0.4	0.50	J	mg/L	1	7/1/02 7:06:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.57	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	510	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.031	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Cadmium	0.00054	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00081	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0038	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	0.072	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	48	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00065	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP	SW8011					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



12

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-004**Collection Date:** 6/28/02 10:15:00 AM**Client Sample ID:** FA-2C**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8011: EDB AND DBCP	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

ELAB, Inc.
Date: 17-Aug-02
CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-004

Collection Date: 6/28/02 10:15:00 AM

Client Sample ID: FA-2C

Sample Description: 15638

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.6	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060830-005

Collection Date: 6/28/02 10:15:00 AM

Client Sample ID: FA-2C DUP

Sample Description: 15638

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	869			umhos/cm		6/28/02 10:15:00 AM
Depth To Water	10.88					6/28/02 10:15:00 AM
Dissolved Oxygen	1.3			mg/L		6/28/02 10:15:00 AM
pH	8.82			S.U.		6/28/02 10:15:00 AM
Reference Elevation	26.90					6/28/02 10:15:00 AM
Temperature	23.4			deg C		6/28/02 10:15:00 AM
Turbidity	2.59			NTU		6/28/02 10:15:00 AM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	69	0.50		mg/L	1	7/1/02 7:20:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 7:20:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-005**Collection Date:** 6/28/02 10:15:00 AM**Client Sample ID:** FA-2C DUP**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Sulfate	0.4	0.50	J	mg/L	1	7/1/02 7:20:00 PM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.56	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	490	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.030	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00013	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0016	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0048	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	0.088	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	0.0031	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Silver	0.0015	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Sodium	48	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00091	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/3/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



13

ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060830**Lab ID:** F02060830-005**Collection Date:** 6/28/02 10:15:00 AM**Client Sample ID:** FA-2C DUP**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830

Lab ID: F02060830-005

Collection Date: 6/28/02 10:15:00 AM

Client Sample ID: FA-2C DUP

Sample Description: 15638

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.6	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060830-006

Collection Date: 6/28/02 9:15:00 AM

Client Sample ID: EQ Blank

Sample Description:

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	ND	0.50		mg/L	1	7/1/02 7:34:00 PM
Nitrogen, Nitrate	ND	0.050	H	mg/L	1	7/1/02 7:34:00 PM
Sulfate	ND	0.50		mg/L	1	7/1/02 7:34:00 PM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.009	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	8.0	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



17

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-006**Collection Date:** 6/28/02 9:15:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	ND	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	ND	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/1/02		Analyst: EM
Thallium	ND	0.0010		mg/L	1	7/5/02 1:45:00 PM
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



18

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-006**Collection Date:** 6/28/02 9:15:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.3	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



19

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060830**Lab ID:** F02060830-006**Collection Date:** 6/28/02 9:15:00 AM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060830-007**Collection Date:** 6/27/02 7:00:00 PM**Client Sample ID:** Trip Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
1,2-Dibromoethane	ND	1.0		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060830**Lab ID:** F02060830-007**Collection Date:** 6/27/02 7:00:00 PM**Client Sample ID:** Trip Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	1.3	1.0		µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

EL

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174

ELAB, Inc. (904)672-5668 • FAX (904)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. **E 56934**

Page **1** of **1**

1. Client: (Company or Individual)

Tomoka S/A

2. Report to: (if different from above)

Susan Wazc

3. Client Project Name:

4. Client Project No.:

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By: **KPJT**

8. Shipping Method: **Hand**

9. Sample ID or No.

10. Sample Description

11. Date

12. Time

13. Container Codes (for Item 13)

14. Water Sample Codes (for Item 16)

15. Vial Codes (for Item 16)

16. State

17. Zip Code

18. City

19. State

20. Zip Code

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August 17, 2002

AUG 20 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02060853

Dear Ms. Susan Gaze:

ELAB, Inc. received 18 samples on 6/28/02 for the analyses presented in the following report. Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 53.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Baylor', written over a horizontal line.

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079

**ELAB, Inc.****Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-001**Collection Date:** 6/28/02 12:50:00 PM**Client Sample ID:** B 8-1**Sample Description:** 15642**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
Conductivity	558			umhos/cm		6/28/02 12:50:00 PM
Depth To Water	13.44					6/28/02 12:50:00 PM
Dissolved Oxygen	0.9			mg/L		6/28/02 12:50:00 PM
pH	6.91			S.U.		6/28/02 12:50:00 PM
Reference Elevation	33.02					6/28/02 12:50:00 PM
Temperature	24.9			deg C		6/28/02 12:50:00 PM
Turbidity	5.12			NTU		6/28/02 12:50:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
				PrepDate:		Analyst: KFE
Chloride	27	0.50		mg/L	1	6/29/02 6:05:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 6:05:00 AM
Sulfate	31	0.50		mg/L	1	6/29/02 6:05:00 AM
NITROGEN, AMMONIA	E350.1					
				PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	3.2	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
				PrepDate:	7/1/02 12:39:39 PM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	330	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
				PrepDate:	7/2/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.015	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00078	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0020	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	0.44	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.012	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	28	0.50		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-001

Collection Date: 6/28/02 12:50:00 PM

Client Sample ID: B 8-1

Sample Description: 15642

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Vanadium	0.00051	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	0.012	0.020	J	mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470			PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841			PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011			PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260			PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-001**Collection Date:** 6/28/02 12:50:00 PM**Client Sample ID:** B 8-1**Sample Description:** 15642**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS**SW8260****PrepDate:** 7/10/02**Analyst:** LGO

1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.6	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-002**Collection Date:** 6/28/02 1:00:00 PM**Client Sample ID:** B 8-2**Sample Description:** 15790**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	525			umhos/cm		6/28/02 1:00:00 PM
Depth To Water	6.12					6/28/02 1:00:00 PM
Dissolved Oxygen	1.3			mg/L		6/28/02 1:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-002**Collection Date:** 6/28/02 1:00:00 PM**Client Sample ID:** B 8-2**Sample Description:** 15790**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
pH	6.87			S.U.		6/28/02 1:00:00 PM
Reference Elevation	33.30					6/28/02 1:00:00 PM
Temperature	25.37			deg C		6/28/02 1:00:00 PM
Turbidity	5.13			NTU		6/28/02 1:00:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	11	0.50		mg/L	1	6/29/02 6:19:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 6:19:00 AM
Sulfate	88	0.50		mg/L	1	6/29/02 6:19:00 AM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.087	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	310	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.036	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.000081	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00098	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	8.6	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	19	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00081	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



6

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-002

Collection Date: 6/28/02 1:00:00 PM

Client Sample ID: B 8-2

Sample Description: 15790

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY	SW7470					
Mercury	0.000062	0.00020	J	mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



7

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-002**Collection Date:** 6/28/02 1:00:00 PM**Client Sample ID:** B 8-2**Sample Description:** 15790**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.2	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-003**Collection Date:** 6/28/02 1:30:00 PM**Client Sample ID:** B 43-2**Sample Description:** 15811**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	619			umhos/cm		6/28/02 1:30:00 PM
Depth To Water	4.00					6/28/02 1:30:00 PM
Dissolved Oxygen	1.7			mg/L		6/28/02 1:30:00 PM
pH	6.67			S.U.		6/28/02 1:30:00 PM
Reference Elevation	28.21					6/28/02 1:30:00 PM
Temperature	24.4			deg C		6/28/02 1:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



8

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-003**Collection Date:** 6/28/02 1:30:00 PM**Client Sample ID:** B 43-2**Sample Description:** 15811**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Turbidity	3.07			NTU		6/28/02 1:30:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	44	0.50		mg/L	1	6/29/02 4:54:00 AM
Nitrogen, Nitrate	1.3	0.050		mg/L	1	6/29/02 4:54:00 AM
Sulfate	20	0.50		mg/L	1	6/29/02 4:54:00 AM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.04	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	560	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.017	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00088	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0034	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	0.24	0.040		mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	26	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0086	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



9

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-003**Collection Date:** 6/28/02 1:30:00 PM**Client Sample ID:** B 43-2**Sample Description:** 15811**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-003**Collection Date:** 6/28/02 1:30:00 PM**Client Sample ID:** B 43-2**Sample Description:** 15811**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.4	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-004**Collection Date:** 6/28/02 1:50:00 PM**Client Sample ID:** B 43-1**Sample Description:** 15810**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	719			umhos/cm		6/28/02 1:50:00 PM
Depth To Water	4.30					6/28/02 1:50:00 PM
Dissolved Oxygen	1.3			mg/L		6/28/02 1:50:00 PM
pH	6.22			S.U.		6/28/02 1:50:00 PM
Reference Elevation	28.07					6/28/02 1:50:00 PM
Temperature	22.7			deg C		6/28/02 1:50:00 PM
Turbidity	3.38			NTU		6/28/02 1:50:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-004**Collection Date:** 6/28/02 1:50:00 PM**Client Sample ID:** B 43-1**Sample Description:** 15810**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	79	0.50		mg/L	1	6/29/02 5:50:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 5:50:00 AM
Sulfate	1.3	0.50		mg/L	1	6/29/02 5:50:00 AM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	4.1	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	990	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0036	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.19	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00011	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00078	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0039	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	30	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0042	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	110	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0055	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470			PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841			PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011			PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-004

Collection Date: 6/28/02 1:50:00 PM

Client Sample ID: B 43-1

Sample Description: 15810

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8011: EDB AND DBCP	SW8011					
				PrepDate: 7/9/02 2:56:24 PM		Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	4.7	1.0	*	µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	5.5	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



13

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-004**Collection Date:** 6/28/02 1:50:00 PM**Client Sample ID:** B 43-1**Sample Description:** 15810**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	ND	1.0		µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-005**Collection Date:** 6/28/02 3:00:00 PM**Client Sample ID:** B 60**Sample Description:** 15819**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	564			umhos/cm		6/28/02 3:00:00 PM
Depth To Water	8.01					6/28/02 3:00:00 PM
Dissolved Oxygen	1.4			mg/L		6/28/02 3:00:00 PM
pH	6.17			S.U.		6/28/02 3:00:00 PM
Reference Elevation	28.84					6/28/02 3:00:00 PM
Temperature	22.7			deg C		6/28/02 3:00:00 PM
Turbidity	2.38			NTU		6/28/02 3:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	32	0.50		mg/L	1	6/29/02 5:07:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 5:07:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



17

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-005**Collection Date:** 6/28/02 3:00:00 PM**Client Sample ID:** B 60**Sample Description:** 15819**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0					PrepDate: Analyst: KFE
Sulfate	130	0.50		mg/L	1	6/29/02 5:07:00 AM
NITROGEN, AMMONIA						
	E350.1					PrepDate: Analyst: TPE
Nitrogen, Ammonia (As N)	0.10	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1					PrepDate: 7/1/02 12:39:39 PM Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	540	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010					PrepDate: 7/2/02 Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0035	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.056	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00019	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.00095	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0022	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	8.0	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	26	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.00085	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					PrepDate: 7/5/02 Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					PrepDate: 7/2/02 Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					PrepDate: 7/9/02 2:56:24 PM Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-005

Collection Date: 6/28/02 3:00:00 PM

Client Sample ID: B 60

Sample Description: 15819

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS		SW8260		PrepDate: 7/10/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

ELAB, Inc.
Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-005

Collection Date: 6/28/02 3:00:00 PM

Client Sample ID: B 60

Sample Description: 15819

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/10/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.4	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-006

Collection Date: 6/28/02 2:55:00 PM

Client Sample ID: B 68

Sample Description: 15829

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	637			umhos/cm		6/28/02 2:55:00 PM
Depth To Water	9.92					6/28/02 2:55:00 PM
Dissolved Oxygen	3.0			mg/L		6/28/02 2:55:00 PM
pH	6.34			S.U.		6/28/02 2:55:00 PM
Reference Elevation	29.73					6/28/02 2:55:00 PM
Temperature	24.8			deg C		6/28/02 2:55:00 PM
Turbidity	52.2			NTU		6/28/02 2:55:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	22	0.50		mg/L	1	6/29/02 5:22:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 5:22:00 AM
Sulfate	12	0.50		mg/L	1	6/29/02 5:22:00 AM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.69	0.050		mg/L	1	7/2/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-006**Collection Date:** 6/28/02 2:55:00 PM**Client Sample ID:** B 68**Sample Description:** 15829**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					
PrepDate: 7/1/02 12:39:39 PM						Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	760	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
PrepDate: 7/2/02						Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0032	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.030	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.000096	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0020	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0048	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.0023	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	8.2	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0016	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	25	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0029	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
PrepDate: 7/5/02						Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					
PrepDate: 7/2/02						Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
PrepDate: 7/9/02 2:56:24 PM						Analyst: KHA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/11/02 12:25:32 AM
Ethylene Dibromide	ND	0.010		µg/L	1	7/11/02 12:25:32 AM
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
PrepDate: 7/12/02						Analyst: LGO
Acetone	490	100		µg/L	10	7/12/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-006

Collection Date: 6/28/02 2:55:00 PM

Client Sample ID: B 68

Sample Description: 15829

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/12/02		Analyst: LGO
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	1.4	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-006**Collection Date:** 6/28/02 2:55:00 PM**Client Sample ID:** B 68**Sample Description:** 15829**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/12/02		Analyst: LGO
Toluene	0.6	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-007**Collection Date:** 6/28/02 2:20:00 PM**Client Sample ID:** B 59-1**Sample Description:** 15817**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	730			umhos/cm		6/28/02 2:20:00 PM
Depth To Water	5.79					6/28/02 2:20:00 PM
Dissolved Oxygen	1.8			mg/L		6/28/02 2:20:00 PM
pH	6.45			S.U.		6/28/02 2:20:00 PM
Reference Elevation	27.77					6/28/02 2:20:00 PM
Temperature	24.1			deg C		6/28/02 2:20:00 PM
Turbidity	6.91			NTU		6/28/02 2:20:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	110	0.50		mg/L	1	6/29/02 5:36:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 5:36:00 AM
Sulfate	77	0.50		mg/L	1	6/29/02 5:36:00 AM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.16	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	760	5.0	*	mg/L	1	7/1/02 11:00:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-007**Collection Date:** 6/28/02 2:20:00 PM**Client Sample ID:** B 59-1**Sample Description:** 15817**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.070	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00022	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0010	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0043	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	8.4	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0018	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	0.0017	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Sodium	78	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0011	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-007

Collection Date: 6/28/02 2:20:00 PM

Client Sample ID: B 59-1

Sample Description: 15817

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.2	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-007**Collection Date:** 6/28/02 2:20:00 PM**Client Sample ID:** B 59-1**Sample Description:** 15817**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-008**Collection Date:** 6/28/02 2:15:00 PM**Client Sample ID:** B 59-2**Sample Description:** 15818**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
Conductivity	574			umhos/cm		6/28/02 2:15:00 PM
Depth To Water	6.75					6/28/02 2:15:00 PM
Dissolved Oxygen	3.1			mg/L		6/28/02 2:15:00 PM
pH	6.80			S.U.		6/28/02 2:15:00 PM
Reference Elevation	27.79					6/28/02 2:15:00 PM
Temperature	25.6			deg C		6/28/02 2:15:00 PM
Turbidity	396			NTU		6/28/02 2:15:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
				PrepDate:		Analyst: KFE
Chloride	10	0.50		mg/L	1	6/29/02 4:39:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 4:39:00 AM
Sulfate	86	0.50		mg/L	1	6/29/02 4:39:00 AM
NITROGEN, AMMONIA	E350.1					
				PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.13	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
				PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	510	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0048	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.051	0.010		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-008**Collection Date:** 6/28/02 2:15:00 PM**Client Sample ID:** B 59-2**Sample Description:** 15818**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Beryllium	0.00013	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0042	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0045	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	5.2	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0046	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0039	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	15	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.010	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-008**Collection Date:** 6/28/02 2:15:00 PM**Client Sample ID:** B 59-2**Sample Description:** 15818**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
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Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.3	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

**ELAB, Inc.**

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-008**Collection Date:** 6/28/02 2:15:00 PM**Client Sample ID:** B 59-2**Sample Description:** 15818**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-009**Collection Date:** 6/28/02 4:40:00 PM**Client Sample ID:** B 1B**Sample Description:** 15636**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
Conductivity	643			umhos/cm		6/28/02 4:40:00 PM
Depth To Water	7.85					6/28/02 4:40:00 PM
Dissolved Oxygen	1.4			mg/L		6/28/02 4:40:00 PM
pH	5.90			S.U.		6/28/02 4:40:00 PM
Reference Elevation	27.31					6/28/02 4:40:00 PM
temperature	22.3			deg C		6/28/02 4:40:00 PM
Turbidity	7.73			NTU		6/28/02 4:40:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
				PrepDate:		Analyst: KFE
Chloride	97	0.50		mg/L	1	6/29/02 4:25:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 4:25:00 AM
Sulfate	7.1	0.50		mg/L	1	6/29/02 4:25:00 AM
NITROGEN, AMMONIA	E350.1					
				PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	10	0.050	E	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
				PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	780	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0038	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.19	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00029	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0022	0.0050	J	mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-009**Collection Date:** 6/28/02 4:40:00 PM**Client Sample ID:** B 1B**Sample Description:** 15636**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Cobalt	0.0073	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	17	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0020	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0017	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	0.0019	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Sodium	56	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0033	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	0.0091	0.020	J	mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-009

Collection Date: 6/28/02 4:40:00 PM

Client Sample ID: B 1B

Sample Description: 15636

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS **SW8260** PrepDate: 7/11/02 Analyst: LGO

Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.3	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-010**Collection Date:** 6/28/02 5:50:00 PM**Client Sample ID:** B 45-1**Sample Description:** 15813**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
Conductivity	694			umhos/cm		6/28/02 5:50:00 PM
Depth To Water	5.77					6/28/02 5:50:00 PM
Dissolved Oxygen	2.1			mg/L		6/28/02 5:50:00 PM
pH	5.12			S.U.		6/28/02 5:50:00 PM
Reference Elevation	30.24					6/28/02 5:50:00 PM
Temperature	23.3			deg C		6/28/02 5:50:00 PM
Turbidity	125			NTU		6/28/02 5:50:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	500	5.0	*	mg/L	10	7/1/02 8:03:00 PM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 2:46:00 AM
Sulfate	0.50	0.50		mg/L	1	6/29/02 2:46:00 AM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.19	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate:	7/1/02 12:39:39 PM	Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	1600	5.0	*	mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate:	7/2/02	Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0033	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.22	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.0010	0.0010		mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0021	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0061	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.0035	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	52	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0016	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	0.0013	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Sodium	120	0.50		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



29

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-010**Collection Date:** 6/28/02 5:50:00 PM**Client Sample ID:** B 45-1**Sample Description:** 15813**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					PrepDate: 7/2/02 Analyst: EM
Vanadium	0.019	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	0.022	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					PrepDate: 7/5/02 Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					PrepDate: 7/2/02 Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					PrepDate: 7/10/02 11:30:05 AM Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					PrepDate: 7/11/02 Analyst: LGO
Acetone	24	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	3.4	1.0	*	µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	0.8	1.0	J	µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-010

Collection Date: 6/28/02 5:50:00 PM

Client Sample ID: B 45-1

Sample Description: 15813

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	0.9	1.0	J	µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.8	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-011

Collection Date: 6/28/02 5:35:00 PM

Client Sample ID: B 45-2

Sample Description: 15814

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	345			umhos/cm		6/28/02 5:35:00 PM
Depth To Water	5.10					6/28/02 5:35:00 PM
Dissolved Oxygen	2.8			mg/L		6/28/02 5:35:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-011

Collection Date: 6/28/02 5:35:00 PM

Client Sample ID: B 45-2

Sample Description: 15814

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
	E120.1			PrepDate:		Analyst:
pH	5.37			S.U.		6/28/02 5:35:00 PM
Reference Elevation	30.31					6/28/02 5:35:00 PM
Temperature	24.6			deg C		6/28/02 5:35:00 PM
Turbidity	121			NTU		6/28/02 5:35:00 PM
ANIONS BY ION CHROMATOGRAPHY						
	E300.0			PrepDate:		Analyst: KFE
Chloride	31	0.50		mg/L	1	6/29/02 3:43:00 AM
Nitrogen, Nitrate	0.67	0.050		mg/L	1	6/29/02 3:43:00 AM
Sulfate	12	0.50		mg/L	1	6/29/02 3:43:00 AM
NITROGEN, AMMONIA						
	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.04	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	220	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010			PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.011	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.024	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.0010	0.0010		mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0088	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	0.0055	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	32	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0042	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0018	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	0.0029	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	13	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.031	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	0.021	0.020		mg/L	1	7/2/02 2:00:00 PM

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-011**Collection Date:** 6/28/02 5:35:00 PM**Client Sample ID:** B 45-2**Sample Description:** 15814**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY	SW7470					
Mercury	0.000057	0.00020	J	mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-011

Collection Date: 6/28/02 5:35:00 PM

Client Sample ID: B 45-2

Sample Description: 15814

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.4	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-012

Collection Date: 6/28/02 5:15:00 PM

Client Sample ID: B 44

Sample Description: 15812

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	301			umhos/cm		6/28/02 5:15:00 PM
Depth To Water	5.06					6/28/02 5:15:00 PM
Dissolved Oxygen	2.5			mg/L		6/28/02 5:15:00 PM
pH	6.67			S.U.		6/28/02 5:15:00 PM
Reference Elevation	30.02					6/28/02 5:15:00 PM
Temperature	24.2			deg C		6/28/02 5:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-012**Collection Date:** 6/28/02 5:15:00 PM**Client Sample ID:** B 44**Sample Description:** 15812**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
Turbidity	192			NTU		6/28/02 5:15:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Chloride	7.4	0.50		mg/L	1	6/29/02 2:32:00 AM
Nitrogen, Nitrate	5.0	0.050		mg/L	1	6/29/02 2:32:00 AM
Sulfate	12	0.50		mg/L	1	6/29/02 2:32:00 AM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	0.04	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	160	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0057	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.024	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00042	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0078	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	0.017	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	26	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0034	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	6.3	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.034	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	0.025	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-012**Collection Date:** 6/28/02 5:15:00 PM**Client Sample ID:** B 44**Sample Description:** 15812**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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THALLIUM BY GFAA**SW7841****PrepDate:** 7/2/02**Analyst:** MCA

Thallium

0.00049

0.0010

J

mg/L

1

7/8/02

8011: EDB AND DBCP**SW8011****PrepDate:** 7/10/02 11:30:05 AM**Analyst:** SBA

1,2-Dibromo-3-chloropropane

ND

0.020

µg/L

1

7/12/02

Ethylene Dibromide

ND

0.010

µg/L

1

7/12/02

8260: VOLATILE ORGANIC COMPOUNDS**SW8260****PrepDate:** 7/11/02**Analyst:** LGO

Acetone

ND

10

µg/L

1

7/11/02

Acrylonitrile

ND

1.0

µg/L

1

7/11/02

Benzene

ND

1.0

µg/L

1

7/11/02

Bromochloromethane

ND

1.0

µg/L

1

7/11/02

Bromodichloromethane

ND

0.60

µg/L

1

7/11/02

Bromoform

ND

1.0

µg/L

1

7/11/02

Bromomethane

ND

1.0

µg/L

1

7/11/02

2-Butanone

ND

10

µg/L

1

7/11/02

Carbon disulfide

ND

1.0

µg/L

1

7/11/02

Carbon tetrachloride

ND

1.0

µg/L

1

7/11/02

Chlorobenzene

ND

1.0

µg/L

1

7/11/02

Chloroethane

ND

1.0

µg/L

1

7/11/02

Chloroform

ND

1.0

µg/L

1

7/11/02

Chloromethane

ND

1.0

µg/L

1

7/11/02

Dibromochloromethane

ND

0.40

µg/L

1

7/11/02

Dibromomethane

ND

1.0

µg/L

1

7/11/02

trans-1,4-Dichloro-2-butene

ND

10

µg/L

1

7/11/02

1,2-Dichlorobenzene

ND

1.0

µg/L

1

7/11/02

1,4-Dichlorobenzene

ND

1.0

µg/L

1

7/11/02

1,1-Dichloroethane

ND

1.0

µg/L

1

7/11/02

1,2-Dichloroethane

ND

1.0

µg/L

1

7/11/02

1,1-Dichloroethene

ND

1.0

µg/L

1

7/11/02

cis-1,2-Dichloroethene

ND

1.0

µg/L

1

7/11/02

trans-1,2-Dichloroethene

ND

1.0

µg/L

1

7/11/02

1,2-Dichloropropane

ND

1.0

µg/L

1

7/11/02

cis-1,3-Dichloropropene

ND

0.20

µg/L

1

7/11/02

trans-1,3-Dichloropropene

ND

0.20

µg/L

1

7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



36

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-012**Collection Date:** 6/28/02 5:15:00 PM**Client Sample ID:** B 44**Sample Description:** 15812**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS**SW8260****PrepDate:** 7/11/02**Analyst:** LGO

Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.3	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-013**Collection Date:** 6/28/02 4:46:00 PM**Client Sample ID:** B 35-1**Sample Description:** 15796**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	367			umhos/cm		6/28/02 4:46:00 PM
Depth To Water	1.27					6/28/02 4:46:00 PM
Dissolved Oxygen	2.0			mg/L		6/28/02 4:46:00 PM
pH	5.72			S.U.		6/28/02 4:46:00 PM
Reference Elevation	29.29					6/28/02 4:46:00 PM
Temperature	23.4			deg C		6/28/02 4:46:00 PM
Turbidity	9.67			NTU		6/28/02 4:46:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-013**Collection Date:** 6/28/02 4:46:00 PM**Client Sample ID:** B 35-1**Sample Description:** 15796**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
	E300.0					
Chloride	52	0.50		mg/L	1	6/29/02 2:03:00 AM
Nitrogen, Nitrate	0.04	0.050	J	mg/L	1	6/29/02 2:03:00 AM
Sulfate	0.55	0.50		mg/L	1	6/29/02 2:03:00 AM
NITROGEN, AMMONIA						
	E350.1					
Nitrogen, Ammonia (As N)	0.13	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED						
	E160.1					
Solids, Total Dissolved (Residue, Filterable)	300	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS						
	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.085	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00046	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0026	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	0.0015	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	10	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	15	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0024	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	0.017	0.020	J	mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-013**Collection Date:** 6/28/02 4:46:00 PM**Client Sample ID:** B 35-1**Sample Description:** 15796**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8011: EDB AND DBCP**SW8011**

PrepDate: 7/10/02 11:30:05 AM Analyst: SBA

1,2-Dibromo-3-chloropropane

ND

0.020

µg/L

1

7/12/02

Ethylene Dibromide

ND

0.010

µg/L

1

7/12/02

8260: VOLATILE ORGANIC COMPOUNDS**SW8260**

PrepDate: 7/11/02

Analyst: LGO

Acetone

ND

10

µg/L

1

7/11/02

Acrylonitrile

ND

1.0

µg/L

1

7/11/02

Benzene

ND

1.0

µg/L

1

7/11/02

Bromochloromethane

ND

1.0

µg/L

1

7/11/02

Bromodichloromethane

ND

0.60

µg/L

1

7/11/02

Bromoform

ND

1.0

µg/L

1

7/11/02

Bromomethane

ND

1.0

µg/L

1

7/11/02

2-Butanone

ND

10

µg/L

1

7/11/02

Carbon disulfide

ND

1.0

µg/L

1

7/11/02

Carbon tetrachloride

ND

1.0

µg/L

1

7/11/02

Chlorobenzene

ND

1.0

µg/L

1

7/11/02

Chloroethane

ND

1.0

µg/L

1

7/11/02

Chloroform

ND

1.0

µg/L

1

7/11/02

Chloromethane

ND

1.0

µg/L

1

7/11/02

Dibromochloromethane

ND

0.40

µg/L

1

7/11/02

Dibromomethane

ND

1.0

µg/L

1

7/11/02

trans-1,4-Dichloro-2-butene

ND

10

µg/L

1

7/11/02

1,2-Dichlorobenzene

ND

1.0

µg/L

1

7/11/02

1,4-Dichlorobenzene

ND

1.0

µg/L

1

7/11/02

1,1-Dichloroethane

ND

1.0

µg/L

1

7/11/02

1,2-Dichloroethane

ND

1.0

µg/L

1

7/11/02

1,1-Dichloroethene

ND

1.0

µg/L

1

7/11/02

cis-1,2-Dichloroethene

ND

1.0

µg/L

1

7/11/02

trans-1,2-Dichloroethene

ND

1.0

µg/L

1

7/11/02

1,2-Dichloropropane

ND

1.0

µg/L

1

7/11/02

cis-1,3-Dichloropropene

ND

0.20

µg/L

1

7/11/02

trans-1,3-Dichloropropene

ND

0.20

µg/L

1

7/11/02

Ethylbenzene

ND

1.0

µg/L

1

7/11/02

2-Hexanone

ND

10

µg/L

1

7/11/02

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-013**Collection Date:** 6/28/02 4:46:00 PM**Client Sample ID:** B 35-1**Sample Description:** 15796**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	ND	1.0		µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-014**Collection Date:** 6/28/02 4:28:00 PM**Client Sample ID:** B 35-2**Sample Description:** 15797**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	435			umhos/cm		6/28/02 4:28:00 PM
Depth To Water	0.82					6/28/02 4:28:00 PM
Dissolved Oxygen	1.6			mg/L		6/28/02 4:28:00 PM
pH	5.14			S.U.		6/28/02 4:28:00 PM
Reference Elevation	29.36					6/28/02 4:28:00 PM
Temperature	24.7			deg C		6/28/02 4:28:00 PM
Turbidity	64.9			NTU		6/28/02 4:28:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	76	0.50		mg/L	1	6/29/02 2:17:00 AM
Nitrogen, Nitrate	0.02	0.050	J	mg/L	1	6/29/02 2:17:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-014

Collection Date: 6/28/02 4:28:00 PM

Client Sample ID: B 35-2

Sample Description: 15797

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY	E300.0					
Sulfate	4.7	0.50		mg/L	1	6/29/02 2:17:00 AM
NITROGEN, AMMONIA	E350.1					
Nitrogen, Ammonia (As N)	2.2	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	320	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0051	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.064	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00028	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.013	0.0050		mg/L	1	7/2/02 2:00:00 PM
Cobalt	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Copper	0.0015	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	9.8	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	0.0023	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0034	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	48	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.033	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	0.000063	0.00020	J	mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range



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ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-014**Collection Date:** 6/28/02 4:28:00 PM**Client Sample ID:** B 35-2**Sample Description:** 15797**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



42

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-014**Collection Date:** 6/28/02 4:28:00 PM**Client Sample ID:** B 35-2**Sample Description:** 15797**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	ND	1.0		µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-015**Collection Date:** 6/28/02 6:20:00 PM**Client Sample ID:** B 67**Sample Description:** 15828**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	611			umhos/cm		6/28/02 6:20:00 PM
Depth To Water	11.56					6/28/02 6:20:00 PM
Dissolved Oxygen	1.3			mg/L		6/28/02 6:20:00 PM
pH	6.18			S.U.		6/28/02 6:20:00 PM
Reference Elevation	30.22					6/28/02 6:20:00 PM
Temperature	25.9			deg C		6/28/02 6:20:00 PM
Turbidity	22.6			NTU		6/28/02 6:20:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	55	0.50		mg/L	1	6/29/02 1:49:00 AM
Nitrogen, Nitrate	0.02	0.050	J	mg/L	1	6/29/02 1:49:00 AM
Sulfate	18	0.50		mg/L	1	6/29/02 1:49:00 AM
NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.18	0.050		mg/L	1	7/2/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



43

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-015**Collection Date:** 6/28/02 6:20:00 PM**Client Sample ID:** B 67**Sample Description:** 15828**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SOLIDS, TOTAL DISSOLVED	E160.1					
Solids, Total Dissolved (Residue, Filterable)	500	5.0		mg/L	1	7/1/02 11:00:00 AM
ICP METALS	SW6010					
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.045	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00014	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0013	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0025	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.0035	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	15	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	41	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0016	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	0.015	0.020	J	mg/L	1	7/2/02 2:00:00 PM
MERCURY	SW7470					
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA	SW7841					
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP	SW8011					
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



44

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-015**Collection Date:** 6/28/02 6:20:00 PM**Client Sample ID:** B 67**Sample Description:** 15828**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
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Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-015**Collection Date:** 6/28/02 6:20:00 PM**Client Sample ID:** B 67**Sample Description:** 15828**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
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Toluene	ND	1.0		µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-016**Collection Date:** 6/28/02 6:30:00 PM**Client Sample ID:** MO-5B**Sample Description:** 15635**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS	E120.1			PrepDate:		Analyst:
Conductivity	663			umhos/cm		6/28/02 6:30:00 PM
Depth To Water	9.53					6/28/02 6:30:00 PM
Dissolved Oxygen	1.4			mg/L		6/28/02 6:30:00 PM
pH	6.47			S.U.		6/28/02 6:30:00 PM
Reference Elevation	29.24					6/28/02 6:30:00 PM
Temperature	24.1			deg C		6/28/02 6:30:00 PM
Turbidity	2.48			NTU		6/28/02 6:30:00 PM

ANIONS BY ION CHROMATOGRAPHY	E300.0			PrepDate:		Analyst: KFE
Chloride	70	0.50		mg/L	1	6/29/02 1:35:00 AM
Nitrogen, Nitrate	0.03	0.050	J	mg/L	1	6/29/02 1:35:00 AM
Sulfate	96	0.50		mg/L	1	6/29/02 1:35:00 AM

NITROGEN, AMMONIA	E350.1			PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.60	0.050		mg/L	1	7/2/02

SOLIDS, TOTAL DISSOLVED	E160.1			PrepDate: 7/1/02 12:39:39 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	700	5.0	*	mg/L	1	7/1/02 11:00:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
 Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-016

Collection Date: 6/28/02 6:30:00 PM

Client Sample ID: MO-5B

Sample Description: 15635

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.11	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00015	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0017	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0035	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Iron	8.4	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	28	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0016	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	ND	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



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ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-016**Collection Date:** 6/28/02 6:30:00 PM**Client Sample ID:** MO-5B**Sample Description:** 15635**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.2	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



48

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-016**Collection Date:** 6/28/02 6:30:00 PM**Client Sample ID:** MO-5B**Sample Description:** 15635**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-017**Collection Date:** 6/28/02 4:00:00 PM**Client Sample ID:** B 63-1**Sample Description:** 15823**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
Conductivity	596			umhos/cm		6/28/02 4:00:00 PM
Depth To Water	1.61					6/28/02 4:00:00 PM
Dissolved Oxygen	1.2			mg/L		6/28/02 4:00:00 PM
pH	6.53			S.U.		6/28/02 4:00:00 PM
Reference Elevation	30.06					6/28/02 4:00:00 PM
Temperature	24.4			deg C		6/28/02 4:00:00 PM
Turbidity	52			NTU		6/28/02 4:00:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
				PrepDate:		Analyst: KFE
Chloride	55	0.50		mg/L	1	6/29/02 1:06:00 AM
Nitrogen, Nitrate	ND	0.050		mg/L	1	6/29/02 1:06:00 AM
Sulfate	0.61	0.50		mg/L	1	6/29/02 1:06:00 AM
NITROGEN, AMMONIA	E350.1					
				PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.14	0.050		mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
				PrepDate: 7/2/02 3:44:22 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	290	5.0		mg/L	1	7/2/02 4:00:00 PM
ICP METALS	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Barium	0.043	0.010		mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



49

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-017**Collection Date:** 6/28/02 4:00:00 PM**Client Sample ID:** B 63-1**Sample Description:** 15823**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Beryllium	0.00010	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0012	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Cobalt	0.0022	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.0024	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	3.8	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Selenium	0.0034	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	39	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.0016	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Zinc	0.024	0.020		mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	ND	0.00020		mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-017

Collection Date: 6/28/02 4:00:00 PM

Client Sample ID: B 63-1

Sample Description: 15823

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
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Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.5	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



51

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853**Lab ID:** F02060853-017**Collection Date:** 6/28/02 4:00:00 PM**Client Sample ID:** B 63-1**Sample Description:** 15823**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Lab ID: F02060853-018**Collection Date:** 6/28/02 3:45:00 PM**Client Sample ID:** B 63-2**Sample Description:** 15824**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS	E120.1					
				PrepDate:		Analyst:
Conductivity	537			umhos/cm		6/28/02 3:45:00 PM
Depth To Water	1.77					6/28/02 3:45:00 PM
Dissolved Oxygen	1.6			mg/L		6/28/02 3:45:00 PM
pH	6.65			S.U.		6/28/02 3:45:00 PM
Reference Elevation	30.42					6/28/02 3:45:00 PM
Temperature	24.5			deg C		6/28/02 3:45:00 PM
Turbidity	22.9			NTU		6/28/02 3:45:00 PM
ANIONS BY ION CHROMATOGRAPHY	E300.0					
				PrepDate:		Analyst: KFE
Chloride	14	0.50		mg/L	1	6/29/02 1:21:00 AM
Nitrogen, Nitrate	0.30	0.050		mg/L	1	6/29/02 1:21:00 AM
Sulfate	47	0.50		mg/L	1	6/29/02 1:21:00 AM
NITROGEN, AMMONIA	E350.1					
				PrepDate:		Analyst: TPE
Nitrogen, Ammonia (As N)	0.04	0.050	J	mg/L	1	7/2/02
SOLIDS, TOTAL DISSOLVED	E160.1					
				PrepDate: 7/2/02 3:44:22 PM		Analyst: MMA
Solids, Total Dissolved (Residue, Filterable)	260	5.0		mg/L	1	7/2/02 4:00:00 PM
ICP METALS	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Antimony	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Arsenic	0.0041	0.0050	J	mg/L	1	7/2/02 2:00:00 PM
Barium	0.051	0.010		mg/L	1	7/2/02 2:00:00 PM
Beryllium	0.00013	0.0010	J	mg/L	1	7/2/02 2:00:00 PM
Cadmium	ND	0.0010		mg/L	1	7/2/02 2:00:00 PM
Chromium	0.0014	0.0050	J	mg/L	1	7/2/02 2:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



52

ELAB, Inc.**Date:** 17-Aug-02**CLIENT:** Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02**Lab Order:** F02060853**Lab ID:** F02060853-018**Collection Date:** 6/28/02 3:45:00 PM**Client Sample ID:** B 63-2**Sample Description:** 15824**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS						
	SW6010					
				PrepDate: 7/2/02		Analyst: EM
Cobalt	0.0020	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Copper	0.0015	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Iron	11	0.040	*	mg/L	1	7/2/02 2:00:00 PM
Lead	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Nickel	0.0026	0.010	J	mg/L	1	7/2/02 2:00:00 PM
Selenium	ND	0.0050		mg/L	1	7/2/02 2:00:00 PM
Silver	ND	0.010		mg/L	1	7/2/02 2:00:00 PM
Sodium	19	0.50		mg/L	1	7/2/02 2:00:00 PM
Vanadium	0.018	0.010		mg/L	1	7/2/02 2:00:00 PM
Zinc	0.016	0.020	J	mg/L	1	7/2/02 2:00:00 PM
MERCURY						
	SW7470					
				PrepDate: 7/5/02		Analyst: TPE
Mercury	0.000057	0.00020	J	mg/L	1	7/10/02
THALLIUM BY GFAA						
	SW7841					
				PrepDate: 7/2/02		Analyst: MCA
Thallium	ND	0.0010		mg/L	1	7/8/02
8011: EDB AND DBCP						
	SW8011					
				PrepDate: 7/10/02 11:30:05 AM		Analyst: SBA
1,2-Dibromo-3-chloropropane	ND	0.020		µg/L	1	7/12/02
Ethylene Dibromide	ND	0.010		µg/L	1	7/12/02
8260: VOLATILE ORGANIC COMPOUNDS						
	SW8260					
				PrepDate: 7/11/02		Analyst: LGO
Acetone	ND	10		µg/L	1	7/11/02
Acrylonitrile	ND	1.0		µg/L	1	7/11/02
Benzene	ND	1.0		µg/L	1	7/11/02
Bromochloromethane	ND	1.0		µg/L	1	7/11/02
Bromodichloromethane	ND	0.60		µg/L	1	7/11/02
Bromoform	ND	1.0		µg/L	1	7/11/02
Bromomethane	ND	1.0		µg/L	1	7/11/02
2-Butanone	ND	10		µg/L	1	7/11/02
Carbon disulfide	ND	1.0		µg/L	1	7/11/02
Carbon tetrachloride	ND	1.0		µg/L	1	7/11/02
Chlorobenzene	ND	1.0		µg/L	1	7/11/02
Chloroethane	ND	1.0		µg/L	1	7/11/02
Chloroform	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



53

ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02060853

Lab ID: F02060853-018

Collection Date: 6/28/02 3:45:00 PM

Client Sample ID: B 63-2

Sample Description: 15824

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
8260: VOLATILE ORGANIC COMPOUNDS	SW8260			PrepDate: 7/11/02		Analyst: LGO
Chloromethane	ND	1.0		µg/L	1	7/11/02
Dibromochloromethane	ND	0.40		µg/L	1	7/11/02
Dibromomethane	ND	1.0		µg/L	1	7/11/02
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	7/11/02
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,2-Dichloroethane	ND	1.0		µg/L	1	7/11/02
1,1-Dichloroethene	ND	1.0		µg/L	1	7/11/02
cis-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
trans-1,2-Dichloroethene	ND	1.0		µg/L	1	7/11/02
1,2-Dichloropropane	ND	1.0		µg/L	1	7/11/02
cis-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
trans-1,3-Dichloropropene	ND	0.20		µg/L	1	7/11/02
Ethylbenzene	ND	1.0		µg/L	1	7/11/02
2-Hexanone	ND	10		µg/L	1	7/11/02
Iodomethane	ND	1.0		µg/L	1	7/11/02
4-Methyl-2-pentanone	ND	10		µg/L	1	7/11/02
Methylene chloride	ND	5.0		µg/L	1	7/11/02
Styrene	ND	1.0		µg/L	1	7/11/02
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	1	7/11/02
Tetrachloroethene	ND	1.0		µg/L	1	7/11/02
Toluene	0.2	1.0	J	µg/L	1	7/11/02
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/11/02
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/11/02
Trichloroethene	ND	1.0		µg/L	1	7/11/02
Trichlorofluoromethane	ND	1.0		µg/L	1	7/11/02
1,2,3-Trichloropropane	ND	0.20		µg/L	1	7/11/02
Vinyl acetate	ND	2.0		µg/L	1	7/11/02
Vinyl chloride	ND	1.0		µg/L	1	7/11/02
Xylenes, Total	ND	1.0		µg/L	1	7/11/02

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

FOR LAB USE ONLY

Temp. of Contents: °C (or Received on Ice, ROI)

Condition of Contents:

Address:

City:

State:

Zip Code:

Phone: ()

Fax: ()

Address:

City:

State:

Zip Code:

Phone: ()

Fax: ()

FOR LAB USE ONLY

Submission No. 06-0853

Report Type: ☒ Routine ☐ Standard QC ☐ Datapackage

Turnaround Time: ☒ Standard ☐ Rush: / /

Preservative Codes (for Item 15):
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

20 REMARK

1. Client: (Company or Individual) Tomoka S/A Susan Graye

2. Report to: (if different from above)

3. Client Project Name: GW Semi Annual

4. Client Project No.: 1475233

5. P.O. No.: 1475233

6. Custody Seal No.: K T J D

7. Sampled By: hand

8. Shipping Method:

Item	9. Sample ID or No.	10. Sample Description	11. Date	12. RECEIVED BY				22. TIME	DATE	TIME	FOR LAB USE ONLY
				Comp.	Grab	Water (Code)	Other				
1	B 8 1		6/28/02	1250		6W					
2	B 8 2			1300							
3	B 43 2			1330							
4	B 43 1			1350							
5	B 60			1500							
6	B 68			1455							
7	B 59 1			1420							
8	B 59 2			1415							
9	B 1-B			1640							
10	B 45-1			1750							
21. RELINQUISHED BY	Tom Hestman		6/28/02	1940	Jellman		6/28/02	1940	Hrs.		
Equipment Rental Fee:											Quote No.:
Profile No.:											

(INSTRUCTIONS ON BACK OF THIS FORM)

1. Client: (Company or Individual)

Tomoka LP

2. Report to: (if different from above)

Susan Gaze
Semi-Annual

4. Client Project No.:

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By: *TH/IL*

8. Shipping Method:

9. Sample ID or No.

10. Sample Description

11.

Date

Time

12.

13.

Comp.

Grab

Water

(Codes)

Air

Soil

Sludge

Other

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AUG 20 2002



August 17, 2002

Ms. Susan Gaze
Volusia County Solid Waste Management
1990 Tomoka Farms Road
Daytona Beach, FL 32114

RE: Tomoka LF Semi Annual June 02

Order No.: F02070073

Dear Ms. Susan Gaze:

ELAB, Inc. received 7 samples on 7/2/02 for the analyses presented in the following report.

Analyses are performed with method-required calibration and QA/QC samples whenever applicable. Method performance, which is based on the calibration and QA/QC samples, establishes the validity and certainty of the reported sample results. This data is provided along with the sample results when requested. The total number of pages in this report is 4.

Thank you for this opportunity to be of service. If you have any questions regarding this data, please feel free to call me at (386) 672-5668, extension 327.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Jeff Baylor'.

Jeff Baylor
Project Manager
Elab, Inc.
P.O. Box 468
Ormond Beach, Florida 32175-0468

THIS DOCUMENT MEETS NELAC STANDARDS
NELAC Certification # E83079



ELAB, Inc.

Date: 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02070073

Lab ID: F02070073-001

Collection Date: 7/2/02 2:10:00 PM

Client Sample ID: B-32

Sample Description: 15791

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS

E120.1

PrepDate:

Analyst:

Conductivity	500			umhos/cm		7/2/02 2:10:00 PM
Depth To Water	4.31					7/2/02 2:10:00 PM
Dissolved Oxygen	1.2			mg/L		7/2/02 2:10:00 PM
pH	6.89			S.U.		7/2/02 2:10:00 PM
Reference Elevation	30.51					7/2/02 2:10:00 PM
Temperature	25.1			deg C		7/2/02 2:10:00 PM
Turbidity	55			NTU		7/2/02 2:10:00 PM

ANIONS BY ION CHROMATOGRAPHY

E300.0

PrepDate:

Analyst: KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 8:09:00 PM
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Lab ID: F02070073-002

Collection Date: 7/2/02 12:35:00 PM

Client Sample ID: B 5B

Sample Description: 15403

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS

E120.1

PrepDate:

Analyst:

Conductivity	850			umhos/cm		7/2/02 12:35:00 PM
Depth To Water	4.60					7/2/02 12:35:00 PM
Dissolved Oxygen	1.3			mg/L		7/2/02 12:35:00 PM
pH	6.86			S.U.		7/2/02 12:35:00 PM
Reference Elevation	32.66					7/2/02 12:35:00 PM
Temperature	25.3			deg C		7/2/02 12:35:00 PM
Turbidity	8.0			NTU		7/2/02 12:35:00 PM

ANIONS BY ION CHROMATOGRAPHY

E300.0

PrepDate:

Analyst: KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 8:23:00 PM
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Lab ID: F02070073-003

Collection Date: 7/2/02 3:30:00 PM

Client Sample ID: FA-1B

Sample Description: 15639

Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS

E120.1

PrepDate:

Analyst:

Conductivity	510			umhos/cm		7/2/02 3:30:00 PM
Depth To Water	13.00					7/2/02 3:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



3

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02070073**Lab ID:** F02070073-003**Collection Date:** 7/2/02 3:30:00 PM**Client Sample ID:** FA-1B**Sample Description:** 15639**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Dissolved Oxygen	1.4			mg/L		7/2/02 3:30:00 PM
pH	7.21			S.U.		7/2/02 3:30:00 PM
Reference Elevation	32.16					7/2/02 3:30:00 PM
Sheen	no					7/2/02 3:30:00 PM
Temperature	23.1			deg C		7/2/02 3:30:00 PM
Turbidity	0.40			NTU		7/2/02 3:30:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 8:37:00 PM
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Lab ID: F02070073-004**Collection Date:** 7/2/02 3:15:00 PM**Client Sample ID:** FA-2C**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	620			umhos/cm		7/2/02 3:15:00 PM
Depth To Water	10.88					7/2/02 3:15:00 PM
Dissolved Oxygen	1.4			mg/L		7/2/02 3:15:00 PM
pH	8.91			S.U.		7/2/02 3:15:00 PM
Reference Elevation	26.90					7/2/02 3:15:00 PM
Temperature	24.4			deg C		7/2/02 3:15:00 PM
Turbidity	0.6			NTU		7/2/02 3:15:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 8:52:00 PM
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Lab ID: F02070073-005**Collection Date:** 7/2/02 3:15:00 PM**Client Sample ID:** FA-2C/ DUP**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	620			umhos/cm		7/2/02 3:15:00 PM
Depth To Water	10.88					7/2/02 3:15:00 PM
Dissolved Oxygen	1.4			mg/L		7/2/02 3:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range



4

ELAB, Inc.**Date:** 17-Aug-02

CLIENT: Volusia County Solid Waste Management
Project: Tomoka LF Semi Annual June 02

Lab Order: F02070073**Lab ID:** F02070073-005**Collection Date:** 7/2/02 3:15:00 PM**Client Sample ID:** FA-2C/ DUP**Sample Description:** 15638**Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

pH	8.91			S.U.		7/2/02 3:15:00 PM
Reference Elevation	26.90					7/2/02 3:15:00 PM
Temperature	24.4			deg C		7/2/02 3:15:00 PM
Turbidity	0.6			NTU		7/2/02 3:15:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 9:06:00 PM
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Lab ID: F02070073-006**Collection Date:** 7/2/02 3:50:00 PM**Client Sample ID:** SW-1**Sample Description:** 15830**Matrix:** Surface Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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FIELD PARAMETERS**E120.1****PrepDate:****Analyst:**

Conductivity	910			umhos/cm		7/2/02 3:50:00 PM
Dissolved Oxygen	3.3			mg/L		7/2/02 3:50:00 PM
pH	7.48			S.U.		7/2/02 3:50:00 PM
Temperature	28.9			deg C		7/2/02 3:50:00 PM
Turbidity	4.9			NTU		7/2/02 3:50:00 PM

ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 9:20:00 PM
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Lab ID: F02070073-007**Collection Date:** 7/2/02 12:35:00 PM**Client Sample ID:** EQ Blank**Sample Description:****Matrix:** Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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ANIONS BY ION CHROMATOGRAPHY**E300.0****PrepDate:****Analyst:** KFE

Nitrogen, Nitrate	ND	0.050		mg/L	1	7/2/02 10:16:00 PM
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Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level



Elab, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 • FAX (904)673-4001

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 56806

Page of

FOR LAB USE ONLY

Condition of Contents:

Temp. of Contents: °C (or Received on Ice, ROI) Condition of Seals:

1. Client: (Company or Individual)

Volusia County SWH

2. Report to: (if different from above)

Susan GARD

3. Client Project Name:

4. Client Project No.:

PA-75233

5. P.O. No.:

6. Custody Seal No.:

7. Sampled By:

8. Shipping Method:

FOR LAB USE ONLY

Submission No.

07-073

Address:

Phone: ()

City:

State:

Zip Code:

Fax: ()

Address:

Phone: ()

City:

State:

Zip Code:

Fax: ()

Water Sample Codes (for Item 13)

DW = Drinking Water

GW = Ground Water

SW = Surface Water

PW = Processed Water

WW = Waste Water

Container Codes (for Item 16)

V = VOA vial

G = glass

P = plastic

M = micro bag/cup

O = other

Preservative Codes (for Item 15)

C = Cool Only

H = Hydrochloric Acid

M = Monochloroacetic Acid

N = Nitric Acid

OH = Sodium Hydroxide

S = Sulfuric Acid

T = Sodium Thiosulfate

9. Sample ID or No.

10. Sample Description

11. Date

12. Time

13. Other

14. No. of Containers

15. Preservatives

16. Containers

17. Analyses Requested

18. Report Type

19. Turnaround Time

20. Remark

21. Relinquished By

22. Received By

23. Date

24. Time

25. Sampling Fee

26. Hrs.

27. Equipment Rental Fee

28. Profile No.

29. Quote No.

30. Lab Use Only

31. Lab Sample No.

32. Distribution

33. White with report; Blue, Green, Yellow to labs; Gold to submitter

34. Revised: 1/99

Tomoka Farms Road Landfill
Semi-annual Groundwater Guidance Exceedences
Sampling Date: June 2002

page i

Sample/ Well Number	Elab No.	Compounds	Results	MCL*	Reporting Limits	Units
B 1B	02060853-9	IRON	17000	300	100	ug/L
B 1B	02060853-9	pH	5.9	6.5-8.5	----	units
B 1B	02060853-9	AMMONIA	10	2.8	0.050	mg/L
B 1B	02060853-9	TDS	780	500	5.0	mg/L
B 2	02060736-1	IRON	3600	300	100	ug/L
B 2	02060736-1	SULFATE	270	250	1.0	mg/L
B 2	02060736-1	TDS	660	500	5.0	mg/L
B 5B	02060830-2	IRON	15000	300	100	ug/L
B 5B	02060830-2	TDS	680	500	5.0	mg/L
B 8-1	02060853-1	IRON	440	300	100	ug/L
B 8-1	02060853-1	AMMONIA	3.2	2.8	0.050	mg/L
B 8-2	02060853-2	IRON	8600	300	100	ug/L
B 11	02060736-2	IRON	3400	300	100	ug/L
B 11	02060736-2	pH	5.34	6.5-8.5	----	units
B 32	02060830-1	IRON	5600	300	100	ug/L
B 33-1	02060788-12	IRON	8300	300	100	ug/L
B 33-1	02060788-12	pH	6.27	6.5-8.5	----	units
B 33-2	02060788-7	IRON	11000	300	100	ug/L
B 33-2	02060788-7	SODIUM	300	160	0.50	mg/L
B 33-2	02060788-7	TDS	1700	500	5.0	mg/L
B 33-2	02060788-7	pH	6.49	6.5-8.5	----	units
B 33-2	02060788-7	CHLORIDE	430	250	1.0	mg/L
B 34-2	02060788-11	IRON	9900	300	100	ug/L
B 34-2	02060788-11	pH	6.42	6.5-8.5	----	units
B 35-1	02060853-13	IRON	10000	300	100	ug/L
B 35-1	02060853-13	pH	5.72	6.5-8.5	----	units
B 35-2	02060853-14	IRON	9800	300	100	ug/L
B 35-2	02060853-14	pH	5.14	6.5-8.5	----	units
B 36	02060736-3	IRON	4200	300	100	ug/L
B 36	02060736-3	BENZENE	2.3	1.0	1.0	ug/L
B 36	02060736-3	VINYL CHLORIDE	7.5	1.0	1.0	ug/L
B 36	02060736-3	TDS	960	500	5.0	mg/L
B 37-1	02060736-4	IRON	22000	300	100	ug/L
B 37-1	02060736-4	SODIUM	240	160	0.50	mg/L
B 37-1	02060736-4	BENZENE	14	1.0	1.0	ug/L
B 37-1	02060736-4	TDS	1600	500	5.0	mg/L
B 37-1	02060736-4	pH	6.33	6.5-8.5	----	units
B 37-2	02060736-5	IRON	5800	300	100	ug/L
B 37-2	02060736-5	pH	6.03	6.5-8.5	----	units
B 38-1	02060736-6	IRON	10000	300	100	ug/L
B 38-1	02060736-6	pH	5.86	6.5-8.5	----	units
B 38-2	02060736-7	IRON	2800	300	100	ug/L
B 38-2	02060736-7	pH	6.19	6.5-8.5	----	units
B 38-2	02060736-7	TDS	520	500	5.0	mg/L
B 39	02060736-8	IRON	6200	300	100	ug/L
B 39	02060736-8	pH	5.63	6.5-8.5	----	units

*Based on "Ground Water Guidance Concentrations", Florida DEP, Division of Water Facilities,
June, 1994

Tomoka Farms Road Landfill

page ii

Semi-annual Groundwater Guidance Exceedences**Sampling Date: June 2002**

<u>Sample/ Well Number</u>	<u>Elab No.</u>	<u>Compounds</u>	<u>Results</u>	<u>MCL*</u>	<u>Reporting Limits</u>	<u>Units</u>
B 40-1	02060736-9	IRON	11000	300	100	ug/L
B 40-1	02060736-9	pH	5.93	6.5-8.5	----	units
B 40-2	02060736-10	pH	5.86	6.5-8.5	----	units
B 41-1	02060788-2	IRON	22000	300	100	ug/L
B 41-1	02060788-2	SODIUM	170	160	0.50	mg/L
B 41-1	02060788-2	BENZENE	2.1	1.0	1.0	ug/L
B 41-1	02060788-2	TDS	1400	500	5.0	mg/L
B 41-1	02060788-2	AMMONIA	25	2.8	0.050	mg/L
B 41-1	02060788-2	pH	6.13	6.5-8.5	----	units
B 41-1 Dup	02060788-3	IRON	22000	300	100	ug/L
B 41-1 Dup	02060788-3	SODIUM	170	160	0.50	mg/L
B 41-1 Dup	02060788-3	BENZENE	2.1	1.0	1.0	ug/L
B 41-1 Dup	02060788-3	TDS	1200	500	5.0	mg/L
B 41-1 Dup	02060788-3	AMMONIA	26	2.8	0.050	mg/L
B 41-1 Dup	02060788-3	pH	6.13	6.5-8.5	----	units
B 41-2	02060788-4	IRON	1000	300	100	ug/L
B 41-2	02060788-4	TDS	920	500	5.0	mg/L
B 41-2	02060788-4	AMMONIA	8.2	2.8	0.050	mg/L
B 42-1	02060788-5	IRON	20000	300	100	ug/L
B 42-1	02060788-5	TDS	890	500	5.0	mg/L
B 42-1	02060788-5	pH	5.70	6.5-8.5	----	units
B 42-1	02060788-5	SULFATE	280	250	1.0	mg/L
B 42-2	02060788-6	pH	5.91	6.5-8.5	----	units
B 43-1	02060853-4	IRON	30000	300	100	ug/L
B 43-1	02060853-4	BENZENE	4.7	1.0	1.0	ug/L
B 43-1	02060853-4	AMMONIA	4.1	2.8	0.050	mg/L
B 43-1	02060853-4	TDS	990	500	5.0	mg/L
B 43-1	02060853-4	pH	6.22	6.5-8.5	----	units
B 43-2	02060853-3	TDS	560	500	5.0	mg/L
B 44	02060853-12	IRON	26000	300	100	ug/L
B 45-1	02060853-10	IRON	52000	300	100	ug/L
B 45-1	02060853-10	BENZENE	3.4	1.0	1.0	ug/L
B 45-1	02060853-10	CHLORIDE	500	250	1.0	mg/L
B 45-1	02060853-10	TDS	1600	500	5.0	mg/L
B 45-1	02060853-10	pH	5.12	6.5-8.5	----	units
B 45-2	02060853-11	IRON	32000	300	100	ug/L
B 45-2	02060853-11	pH	5.37	6.5-8.5	----	units
B 58-1	02060788-9	IRON	11000	300	100	ug/L
B 58-1	02060788-9	pH	5.72	6.5-8.5	----	units
B 58-2	02060788-8	IRON	3000	300	100	ug/L
B 58-2	02060788-8	pH	5.34	6.5-8.5	----	units
B 59-1	02060853-7	IRON	8400	300	100	ug/L
B 59-1	02060853-7	TDS	760	500	5.0	mg/L
B 59-1	02060853-7	pH	6.45	6.5-8.5	----	units
B 59-2	02060853-8	IRON	5200	300	100	ug/L
B 59-2	02060853-8	TDS	510	500	5.0	mg/L

*Based on "Ground Water Guidance Concentrations", Florida DEP, Division of Water Facilities,
June, 1994

Tomoka Farms Road Landfill

page iii

Semi-annual Groundwater Guidance Exceedences**Sampling Date: June 2002**

Sample/ Well Number	Elab No.	Compounds	Results	MCL*	Reporting Limits	Units
B 60	02060853-5	IRON	8000	300	100	ug/L
B 60	02060853-5	pH	6.17	6.5-8.5	----	units
B 60	02060853-5	TDS	540	500	5.0	mg/L
B 63-1	02060853-17	IRON	3800	300	100	ug/L
B 63-2	02060853-18	IRON	11000	300	100	ug/L
B 64	02060736-11	IRON	36000	300	100	ug/L
B 64	02060736-11	TDS	580	500	5.0	mg/L
B 65	02060736-12	TDS	630	500	5.0	mg/L
B 65	02060736-12	pH	5.87	6.5-8.5	----	units
B 65 Dup	02060736-13	TDS	620	500	5.0	mg/L
B 65 Dup	02060736-13	pH	5.87	6.5-8.5	----	units
B 66	02060736-14	pH	6.42	6.5-8.5	----	units
B 67	02060853-15	IRON	15000	300	100	ug/L
B 67	02060853-15	pH	6.18	6.5-8.5	----	units
B 68	02060853-6	IRON	8200	300	100	ug/L
B 68	02060853-6	TDS	760	500	5.0	mg/L
B 68	02060853-6	pH	6.34	6.5-8.5	----	units
FA-2C	02060830-4	pH	8.82	6.5-8.5	----	units
FA-2C	02060830-4	TDS	510	500	5.0	mg/L
FA-2C Dup	02060830-5	pH	8.82	6.5-8.5	----	units
FA-2C	02070073-4	pH	8.91	6.5-8.5	----	units
FA-2C Dup	02070073-5	pH	8.91	6.5-8.5	----	units
MO-5B	02060853-16	IRON	8400	300	100	ug/L
MO-5B	02060853-16	TDS	700	500	5.0	mg/L
MO-5B	02060853-16	pH	6.47	6.5-8.5	----	units

*Based on "Ground Water Guidance Concentrations", Florida DEP, Division of Water Facilities,
June, 1994


Jeff Beyer, Project Manager