

Hillsborough County Solid Waste Management Department

Management and Environmental Services

*P.O. Box 1110
Tampa, FL 33601
(813) 276-2944
Fax: (813) 276-2960*

FAX TRANSMISSION COVER SHEET

Date: 1/17/06
To: John Morris, P.G.
Fax: 632-7664
Subject: TH-36A Data
Sender: David Adams, P.G., Environmental Manager

YOU SHOULD RECEIVE 13 PAGE(S), INCLUDING THIS COVER SHEET.

John,

Here is the data for TH-36A. Please note that the samples from this event were analyzed by Test America, and we experienced numerous problems with their analytical services.

Should you have any questions, please advise.

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

October 25, 2005

Client:	HILLSBOROUGH CO. SOLID WASTE MGMT DJ	Work Order:	OOI0566
	P.O. BOX 1110	Project Name:	SE LANDFILL WELL MON. PROGRAM
	TAMPA, FL 33601	Project Number:	WO//0001
		Date Received:	09/26/05
Attn:	JIM CLAYTON		

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
TRAVEL BLANK	OOI0566-01	09/26/05 08:45
EQUIPMENT BLANK	OOI0566-02	09/26/05 08:50
TII-36A	OOI0566-03	09/26/05 09:25

EPA 6010B analysis performed at Lab ID: E87358

Samples were received into laboratory at a temperature of 6.0 °C.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately.

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

Florida Certification Number: F83012

Approved By:



TestAmerica Analytical - Orlando
 Enid Ortiz For Judith A. Beato

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OOI0566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SF LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO#0001
 Attn: JIM CLAYTON

LABORATORY REPORT

Sample ID: TRAVEL BLANK - Lab Number: OOI0566-01 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B											
630-20-6	1,1,1,2-Tetrachloroethane	0.199	U	ug/L	0.199	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
71-55-6	1,1,1-Trichloroethane	0.271	U	ug/L	0.271	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
79-34-5	1,1,2,2-Tetrachloroethane	0.115	U	ug/L	0.115	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
79-00-5	1,1,2-Trichloroethane	0.310	U	ug/L	0.310	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-34-3	1,1-Dichloroethane	0.172	U	ug/L	0.172	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-35-4	1,1-Dichloroethene	0.268	U	ug/L	0.268	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
96-18-4	1,2,3-Trichloropropane	0.277	U	ug/L	0.277	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
95-50-1	1,2-Dichlorobenzene	0.151	U	ug/L	0.151	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
107-06-2	1,2-Dichloroethane	0.0868	U	ug/L	0.0868	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
78-87-5	1,2-Dichloropropane	0.0886	U	ug/L	0.0886	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
106-16-7	1,4-Dichlorobenzene	0.0975	U	ug/L	0.0975	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
78-93-3	2-Butanone	0.729	U	ug/L	0.729	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
591-78-6	2-Hexanone	0.835	U	ug/L	0.835	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
108-10-1	4-Methyl-2-pentanone	0.354	U	ug/L	0.354	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
67-64-1	Acetone	1.30	U	ug/L	1.30	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
107-13-1	Acrylonitrile	0.586	U	ug/L	0.586	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
71-43-2	Benzene	0.143	U	ug/L	0.143	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
74-97-5	Bromochloromethane	0.301	U	ug/L	0.301	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-27-1	Bromodichloromethane	0.184	U	ug/L	0.184	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-25-2	Bromoform	0.245	U	ug/L	0.245	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
74-83-9	Bromomethane	0.357	U	ug/L	0.357	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-15-0	Carbon disulfide	0.140	U	ug/L	0.140	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
56-23-5	Carbon Tetrachloride	0.406	U	ug/L	0.406	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
108-90-7	Chlorobenzene	0.105	U	ug/L	0.105	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
124-48-1	Chlorodifluoromethane	0.157	U	ug/L	0.157	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-00-3	Chloroethane	0.316	U	ug/L	0.316	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
67-66-3	Chloroform	0.111	U	ug/L	0.111	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
74-87-3	Chloromethane	0.320	U	ug/L	0.320	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
156-59-2	cis-1,2-Dichloroethene	0.278	U	ug/L	0.278	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
10061-01-5	cis-1,3-Dichloropropene	0.152	U	ug/L	0.152	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
74-95-3	Dibromomethane	0.216	U	ug/L	0.216	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
100-41-4	Ethylbenzene	0.201	U	ug/L	0.201	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
74-88-4	Iodomethane	0.160	U	ug/L	0.160	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-09-2	Methylene Chloride	0.174	U	ug/L	0.174	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
100-42-5	Styrene	0.173	U	ug/L	0.173	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
127-18-4	Tetrachloroethene	0.242	U	ug/L	0.242	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
108-88-3	Toluene	0.142	U	ug/L	0.142	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
156-60-5	trans-1,2-Dichloroethene	0.237	U	ug/L	0.237	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
10061-02-6	trans-1,3-Dichloropropene	0.192	U	ug/L	0.192	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
110-57-6	trans-1,4-Dichloro-2-butene	0.264	U	ug/L	0.264	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
79-01-6	Trichloroethene	0.224	U	ug/L	0.224	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-69-4	Trichlorofluoromethane	0.327	U	ug/L	0.327	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 * 800 851-2500 * Fax 407-856-0000

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OOI0566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SE LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO#0001
 Attn: JIM CLAYTON

LABORATORY REPORT

Sample ID: TRAVEL BLANK - Lab Number: OOI0566-01 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
108-05-4	Vinyl acetate	0.750	U	ug/L	0.750	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
75-01-4	Vinyl chloride	0.302	U	ug/L	0.302	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
1330-20-7	Xylenes, total	0.220	U	ug/L	0.220	2.00	1	09/27/05 10:57	JLS	EPA 8260B	5128016
Surrogate: 1,2-Dichloroethane-d4 (72.3-161%)		101 %									
Surrogate: 4-Bromofluorobenzene (74-121%)		99 %									
Surrogate: Dibromofluoromethane (89-131%)		103 %									
Surrogate: Toluene-d8 (80-117%)		102 %									

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 * 800-851-2580 * Fax 407-856-0886

Client: **HILLSBOROUGH CO. SOLID WASTE MGMT DIV** Work Order: **QOI0566** Sampled: **09/26/05**
 P.O. BOX 1110 Project: **SE LANDFILL WELL MON. PROGRAM** Received: **09/26/05**
 TAMPA, FL 33601 Project Number: **WO#0001**
 Attn: **JIM CLAYTON**

LABORATORY REPORT

Sample ID: **EQUIPMENT BLANK - Lab Number: QOI0566-02 - Matrix: Water - NonPotable**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
7664-41-7	Amonia as N	0.0200	U	mg/L	0.0200	0.0300	1	10/03/05 12:15	IRK	EPA 350.1	5J04014
C010	Total Dissolved Solids	3.00	U	mg/L	3.00	5.00	1	09/30/05 10:52	DGC	EPA 160.1	5I28015
16887-00-6	Chloride	2.00	U	mg/l.	2.00	2.00	1	09/26/05 18:43	BDG	EPA 300.0	5I26006
14797-55-8	Nitrate as N	0.0190	U	mg/L	0.0190	0.0200	1	09/26/05 18:43	BDG	EPA 300.0	5I26006
Metals											
7439-97-6	Mercury	0.000140	1	mg/L	0.000500	0.000200	1	09/28/05 14:58	GCY	EPA 7470A	5I28003
KDB and DBCP by EPA Method 8011											
106-93-4	1,2-Dibromoethane (EDB)	0.00360	U	ug/L	0.00360	0.0200	1	10/03/05 22:25	SKH	EPA 8011	5J03034
96-12-8	1,2-Dibromo-3-chloropropane	0.00240	U	ug/L	0.00240	0.0200	1	10/03/05 22:25	SKH	EPA 8011	5J03034
Volatile Organic Compounds by EPA Method 8260B											
630-20-6	1,1,1,2-Tetrachloroethane	0.199	U	ug/L	0.199	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
71-55-6	1,1,1-Trichloroethane	0.271	U	ug/L	0.271	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
79-34-5	1,1,2,2-Tetrachloroethane	0.115	U	ug/L	0.115	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
79-00-5	1,1,2-Trichloroethane	0.310	U	ug/l.	0.310	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-34-3	1,1-Dichloroethane	0.172	U	ug/L	0.172	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-35-4	1,1-Dichloroethene	0.268	U	ug/L	0.268	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
96-18-4	1,2,3-Trichloropropane	0.277	U	ug/L	0.277	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
95-50-1	1,2-Dichlorobenzene	0.151	U	ug/l.	0.151	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
107-06-2	1,2-Dichloroethane	0.0868	U	ug/L	0.0868	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
78-87-5	1,2-Dichloropropane	0.0886	U	ug/L	0.0886	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
106-46-7	1,4-Dichlorobenzene	0.0975	U	ug/l.	0.0975	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
78-93-3	2-Butanone	0.729	U	ug/L	0.729	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
591-78-6	2-Hexanone	0.835	U	ug/L	0.835	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
108-10-1	4-Methyl-2-pentanone	0.354	U	ug/L	0.354	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
67-64-1	Acetone	1.30	U	ug/l.	1.30	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
107-13-1	Acrylonitrile	0.586	U	ug/L	0.586	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
71-43-2	Benzene	0.143	U	ug/l.	0.143	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
74-97-5	Bromochloromethane	0.301	U	ug/L	0.301	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-27-4	Bromodichloromethane	0.184	U	ug/L	0.184	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-25-2	Bromoform	0.245	U	ug/L	0.245	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
74-83-9	Bromomethane	0.357	U	ug/l.	0.357	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-15-0	Carbon disulfide	0.140	U	ug/L	0.140	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
56-23-5	Carbon Tetrachloride	0.406	U	ug/l.	0.406	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
108-90-7	Chlorobenzene	0.105	U	ug/L	0.105	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
124-48-1	Chlorodibromomethane	0.157	U	ug/l.	0.157	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
75-00-3	Chloroethane	0.316	U	ug/L	0.316	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
67-66-3	Chloroform	0.111	U	ug/l.	0.111	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
74-87-3	Chloromethane	0.320	U	ug/l.	0.320	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
156-59-2	cis-1,2-Dichloroethene	0.278	U	ug/L	0.278	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
10061-01-5	cis-1,3-Dichloropropene	0.152	U	ug/L	0.152	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
74-95-3	Dibromomethane	0.216	U	ug/L	0.216	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016
100-41-4	Ethylbenzene	0.201	U	ug/L	0.201	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5I28016

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0086

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OOI0566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SE LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO#0001
 Attn: JIM CLAYTON

LABORATORY REPORT

Sample ID: EQUIPMENT BLANK - Lab Number: OOI0566-02 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
74-88-1	Iodomethane	0.160	U	ug/L	0.160	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
75-09-2	Methylene Chloride	0.174	U	ug/L	0.174	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
100-42-5	Styrene	0.173	U	ug/L	0.173	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
127-18-4	Tetrachloroethene	0.242	U	ug/L	0.242	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
108-88-3	Toluene	0.142	U	ug/L	0.142	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
156-60-5	trans-1,2-Dichloroethene	0.237	U	ug/L	0.237	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
10061-02-6	trans-1,3-Dichloropropene	0.192	U	ug/L	0.192	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
110-57-6	trans-1,4-Dichloro-2-butene	0.264	U	ug/L	0.264	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
79-01-6	Trichloroethene	0.224	U	ug/L	0.224	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
75-69-4	Trichlorofluoromethane	0.327	U	ug/L	0.327	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
108-05-4	Vinyl acetate	0.750	U	ug/L	0.750	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
75-01-4	Vinyl chloride	0.302	U	ug/L	0.302	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
1330-20-7	Xylenes, total	0.220	U	ug/L	0.220	2.00	1	09/27/05 11:14	JLS	EPA 8260B	5128016
Surrogate: 1,2-Dichloroethane-d4 (72.3-161%)		105 %									
Surrogate: 4-Bromofluorobenzene (74-121%)		98 %									
Surrogate: Dibromofluoromethane (89-131%)		102 %									
Surrogate: Toluene-d8 (80-117%)		101 %									
Total Metals by EPA Method 6010B											
7440-36-0	Antimony	0.00470	U	mg/L	0.00470	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-38-2	Arsenic	0.00370	U	mg/L	0.00370	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-39-3	Barium	0.00100	U	mg/L	0.00100	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-41-7	Beryllium	0.00100	U	mg/L	0.00100	0.00400	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-43-9	Cadmium	0.000600	U	mg/L	0.000600	0.00100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-47-3	Chromium	0.00200	U	mg/L	0.00200	0.00500	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-48-4	Cobalt	0.00200	U	mg/L	0.00200	0.0200	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-50-8	Copper	0.00650	U	mg/L	0.00650	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7439-89-6	Iron	0.0376	I	mg/L	0.0300	0.0500	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7439-92-1	Lead	0.00240	U	mg/L	0.00240	0.00500	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-02-0	Nickel	0.00210	U	mg/L	0.00210	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7782-49-2	Selenium	0.00960	U	mg/L	0.00960	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-22-4	Silver	0.00210	U	mg/L	0.00210	0.00500	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-23-5	Sodium	0.938	U	mg/L	0.938	1.00	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-28-0	Thallium	0.00880	U	mg/L	0.00880	0.0100	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-62-2	Vanadium	0.00600	U	mg/L	0.00600	0.0200	1	10/19/05 18:24	GWM	SW846 6010B5102838	
7440-66-6	Zinc	0.00930	I	mg/L	0.00480	0.0500	1	10/19/05 18:24	GWM	SW846 6010B5102838	



ANALYTICAL TESTING CORPORATION

4310 East Anderson Road Orlando, FL 32812 • 800-851-2560 • Fax 407-856-0886

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OOI0566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SE LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO#0001
 Attn: JIM CLAYTON

LABORATORY REPORT

Sample ID: TH-36A - Lab Number: OOI0566-03 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Field Sampling Parameters											
NA	Dissolved Oxygen	4.94		mg/L	NA	NA	1	09/26/05 09:25	CLJ	EPA 360.2	5128021
NA	pH	5.77		pH Units	NA	NA	1	09/26/05 09:25	CLJ	EPA 150.1	5128021
NA	Specific Conductance (EC)	157		uS/cm	NA	NA	1	09/26/05 09:25	CLJ	EPA 120.1	5128021
TEMP	Temperature	25.0		°C	NA	NA	1	09/26/05 09:25	CLJ	EPA 170.1	5128021
NA	Turbidity	12		NTU	NA	NA	1	09/26/05 09:25	CLJ	EPA 180.1	5128021
General Chemistry Parameters											
7664-11-7	Ammonia as N	0.0200	U	ug/L	0.0200	0.0300	1	10/03/05 12:15	IRK	EPA 350.1	5J04014
5000	Total Dissolved Solids	120		mg/L	3.00	5.00	1	09/30/05 10:52	DGC	EPA 160.1	5128015
16887-00-6	Chloride	3.65		mg/L	2.00	2.00	1	09/26/05 19:06	BDC	EPA 300.0	5126006
14797-55-8	Nitrate as N	0.0190	U	mg/L	0.0190	0.0200	1	09/26/05 19:06	BDC	EPA 300.0	5126006
Metals											
7439-97-6	Mercury	0.000156	I	mg/l.	0.0000500	0.000200	1	09/28/05 15:05	GCT	EPA 7470A	5128003
EDB and DBCP by EPA Method 8011											
106-93-4	1,2-Dibromoethane (EDB)	0.00360	U	ug/l.	0.00360	0.0200	1	09/28/05 07:39	SKII	EPA 8011	5126042
96-12-8	1,2-Dibromo-3-chloropropane	0.00240	U	ug/L	0.00240	0.0200	1	09/28/05 07:39	SKII	EPA 8011	5126042
Volatile Organic Compounds by EPA Method 8260B											
630-20-6	1,1,1,2-Tetrachloroethane	0.199	U	ug/L	0.199	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
71-55-6	1,1,1-Trichloroethane	0.271	U	ug/L	0.271	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
79-34-5	1,1,2,2-Tetrachloroethane	0.115	U	ug/l.	0.115	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
79-00-5	1,1,2-Trichloroethane	0.310	U	ug/L	0.310	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-34-3	1,1-Dichloroethane	0.172	U	ug/L	0.172	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-35-4	1,1-Dichloroethene	0.268	U	ug/L	0.268	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
96-18-4	1,2,3-Trichloropropane	0.277	U	ug/L	0.277	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
95-50-1	1,2-Dichlorobenzene	0.151	U	ug/L	0.151	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
107-06-2	1,2-Dichloroethane	0.0868	U	ug/L	0.0868	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
78-87-5	1,2-Dichloropropane	0.0886	U	ug/L	0.0886	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
106-46-7	1,4-Dichlorobenzene	0.0975	U	ug/L	0.0975	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
78-93-3	2-Butanone	0.729	U	ug/L	0.729	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
591-78-6	2-Hexanone	0.835	U	ug/L	0.835	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
106-10-1	4-Methyl-2-pentanone	0.354	U	ug/L	0.354	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
67-64-1	Acetone	1.30	U	ug/L	1.30	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
107-13-1	Acrylonitrile	0.586	U	ug/L	0.586	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
71-43-2	Benzene	0.143	U	ug/L	0.143	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
74-97-5	Bromochloromethane	0.301	U	ug/l.	0.301	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-27-1	Bromodichloromethane	0.184	U	ug/L	0.184	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-25-2	Bromoform	0.245	U	ug/l.	0.245	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
74-83-9	Bromomethane	0.357	U	ug/L	0.357	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-15-0	Carbon disulfide	0.140	U	ug/l.	0.140	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
56-23-5	Carbon Tetrachloride	0.406	U	ug/l.	0.406	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
108-90-7	Chlorobenzene	0.105	U	ug/L	0.105	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
124-48-1	Chlorodibromomethane	0.157	U	ug/L	0.157	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-00-3	Chloroethane	0.316	U	ug/l.	0.316	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016



4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-850-0886

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OO10566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SE LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO/0001
 Attn: JIM CLAYTON

LABORATORY REPORT

Sample ID: TII-36A - Lab Number: OO10566-03 - Matrix: Water - NonPotable

CAN #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Volatile Organic Compounds by EPA Method 8260B - Cont.											
67-66-3	Chloroform	0.111	U	ug/L	0.111	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
74-87-3	Chloromethane	0.320	U	ug/L	0.320	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
156-59-2	cis-1,2-Dichloroethene	0.278	U	ug/L	0.278	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
10061-01-5	cis-1,3-Dichloropropene	0.152	U	ug/L	0.152	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
74-95-3	Dibromomethane	0.216	U	ug/L	0.216	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
100-41-4	Ethylbenzene	0.201	U	ug/L	0.201	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
74-88-1	Iodomethane	0.160	U	ug/L	0.160	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-09-2	Methylene Chloride	0.174	U	ug/L	0.174	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
100-42-5	Styrene	0.173	U	ug/L	0.173	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
127-18-1	Tetrachloroethene	0.242	U	ug/L	0.242	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
108-88-3	Toluene	0.142	U	ug/L	0.142	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
156-60-5	trans-1,2-Dichloroethene	0.237	U	ug/L	0.237	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
10061-02-6	trans-1,3-Dichloropropene	0.192	U	ug/L	0.192	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
110-57-6	trans-1,4-Dichloro-2-butene	0.264	14, U	ug/L	0.264	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
79-01-6	Trichloroethene	0.224	U	ug/L	0.224	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-69-4	Trichlorofluoromethane	0.327	U	ug/L	0.327	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
108-05-4	Vinyl acetate	0.750	U	ug/L	0.750	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
75-01-4	Vinyl chloride	0.302	U	ug/L	0.302	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
1330-20-7	Xylenes, total	0.220	U	ug/L	0.220	2.00	1	09/27/05 11:31	JLS	EPA 8260B	5128016
Surrogate: 1,2-Dichloroethane-d4 (72.3-161%)		107 %									
Surrogate: 4-Bromofluorobenzene (74-121%)		97 %									
Surrogate: Dibromofluoromethane (59-131%)		103 %									
Surrogate: Toluene-d8 (30-117%)		101 %									
Total Metals by EPA Method 6010B											
7440-36-0	Antimony	0.00470	U	mg/L	0.00470	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-38-2	Arsenic	0.00370	U	mg/L	0.00370	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-39-3	Barium	0.00740	1	mg/L	0.00100	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-41-7	Beryllium	0.00100	U	mg/L	0.00100	0.00400	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-43-9	Cadmium	0.000600	U	mg/L	0.000600	0.00100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-47-3	Chromium	0.00200	U	mg/L	0.00200	0.00500	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-48-4	Cobalt	0.00200	U	mg/L	0.00200	0.0200	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-50-8	Copper	0.00650	U	mg/L	0.00650	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7439-89-6	Iron	0.219		mg/L	0.0300	0.0500	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7439-92-1	Lead	0.00240	U	mg/L	0.00240	0.00500	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-02-0	Nickel	0.00210	U	mg/L	0.00210	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7782-49-2	Selenium	0.00960	U	mg/L	0.00960	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-22-1	Silver	0.00240	U	mg/L	0.00240	0.00500	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-23-5	Sodium	4.24		mg/L	0.938	1.00	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-28-0	Thallium	0.00880	U	mg/L	0.00880	0.0100	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-62-2	Vanadium	0.00600	U	mg/L	0.00600	0.0200	1	10/19/05 18:40	GWM	SW846 6010B5102838	
7440-66-6	Zinc	0.0193	1	mg/L	0.00480	0.0500	1	10/19/05 18:40	GWM	SW846 6010B5102838	



4310 East Anderson Road Orlando, FL 32812 * 800-851-2560 * Fax 407-856-0886

Client: HILLSBOROUGH CO. SOLID WASTE MGMT DIV Work Order: OO10566 Sampled: 09/26/05
 P.O. BOX 1110 Project: SE LANDFILL WELL MON. PROGRAM Received: 09/26/05
 TAMPA, FL 33601 Project Number: WO#0001
 Attn: JIM CLAYTON

CERTIFICATION SUMMARY

TestAmerica Analytical - Orlando

Method	Matrix	Nelac	Florida
EPA 120.1	Water - NonPotable	X	X
EPA 150.1	Water - NonPotable	X	X
EPA 160.1	Water - NonPotable	X	X
EPA 170.1	Water - NonPotable		
EPA 180.1	Water - NonPotable	X	X
EPA 300.0	Water - NonPotable	X	X
EPA 350.1	Water - NonPotable	X	X
EPA 360.2	Water - NonPotable		
EPA 6010B	Water - NonPotable	X	X
EPA 7470A	Water - NonPotable	X	X
EPA 8011	Water - NonPotable	X	X
EPA 8260B	Water - NonPotable	X	X

Subcontracted Laboratories

TestAmerica-Nashville-Florida Cert #E87358, South Carolina Cert #84009, Tennessee Cert ##02008

2960 FOSTER CREECHTON DR. - NASHVILLE, TN 37204

Method Performed: SW846 6010B

Samples: OO10566-02, OO10566-03

DATA QUALIFIERS AND DEFINITIONS

- I** The reported value is between the laboratory method detection limit and method reporting limit.
- J4** The sample matrix interfered with the ability to make an accurate determination.
- U** The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road • Orlando, FL 32812 • 407-881-2900 • Fax 407-856-0835 • 800-881-28

Client: H.C.S.W.D. Project #: 0010566

Cooler Received On: 9/26/05 And Opened On: 9/26/05 By: K.C.

Time Received: 15:00 Time Opened: 15:00

Signature: [Signature]

Were custody seals on the outside of cooler? YES NO If Yes # 2 Location Front

Were the custody seals in tact? YES NO N/A (if no seals present)

Chain of Custody Complete? YES NO If No Discrepancy _____

Cooler Temperature When Opened: 6 Degrees Celsius.
Temperature Blank Included: YES NO

2x 1L
2x 500ml
2x 250ml

Packing Material Bubblewrap NONE Other: _____

Cooling: ICE Other _____ Total # Of Containers: _____ # Vials 12

Any Bottles Broken? YES NO If Yes Which One(s)? _____

Any Missing Samples? YES NO If Yes Which One(s)? _____

pH Levels: H2SO4 <=2? √-2 HNO3 <=2? √-2 HCL <=2? _____ NaOH >=10? _____
and # Containers
Unpreserved between 6 and 8? √-2

Any Air Bubbles in VOC Vials? YES NO N/A (if no VOA vials received)

Was there enough sample shipped in each container? YES NO

Correct Preservatives Used? YES NO If No, please explain _____

Project Manager JB

Corrective Actions Taken

0010566-01

ATTN:

9/26/05

5:00

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET
SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: [Signature] REP. OF CONTRACT LAB.

9-22-05 12:30pm

ACCEPTED BY: WB REP. OF SOLID WASTE DEPT.

9-22-05 2:00

LOCATION: TRAVEL BLANK SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION: A. Adger A. Balloon W. Bannon

CONTAINER CODE:

NO.	COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
					DATE	TIME
2		VOC	1:1 HCL	2-40 ml. SEPTUM VIAI.	9-26-05	8:45

2 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

EPA 8260 (APPENDIX I VOLATILES)

PRESERVED SAMPLES PH < 2.0 yes SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: WB REP. OF SOLID WASTE DEPT.

DATE | TIME

9-26-05 12:10

ACCEPTED BY: Bob Cur REP. OF CONTRACT LAB.

9-26-05 12:10

COMMENTS: W07#0001

A.T.C.
9/26/05
15:00

00 I0566-02

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET
SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: [Signature] REP. OF CONTRACT LAB. 9-22-05 12:30pm
ACCEPTED BY: [Signature] REP. OF SOLID WASTE DEPT. 9-22-05 2:00

LOCATION: EQUIPMENT BLANK SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION : A. Adger A. Balloon W. Bannon

FIELD PARAMETERS: N/A

CONTAINER CODE:

NO.	COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
					DATE	TIME
2		EDB	NONE	2-40 ml SEPTUM VIAL	9-22-05	8:50
1		GENERAL	NONE	1000 ml. PLASTIC		
1		METALS	2 ml. HNO3	500 ml. PLASTIC		
1		NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC		
3		VOC	1:1 HCL	3-40 ml. SEPTUM VIAL		

8 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDES IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 Yes SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 9-22-05 12:10
ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 9-26-05 12:10

COMMENT'S: WO#0001

00I0566-03

2.7.0
9/22/05
15.00

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET
SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: J. Fr... REP. OF CONTRACT LAB. 9-22-05 12:30 PM
ACCEPTED BY: WPB REP. OF SOLID WASTE DEPT. 9-22-05 2:00

LOCATION: TH-36A SAMPLE MATRIX: WATER OTHER MATRIX: _____
PERSONAL ENGAGED IN SAMPLE COLLECTION : A. Adger A. Balloon W. Bannon

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME
TOTAL DEPTH OF WELL: 38.70 Ft. PURGE STARTED: 9-26-05 8:59
DEPTH TO WATER: 31.85 Ft. PURGE RATE: .25 GPM.
LENGTH OF WATER COL: 6.85 Ft. DATE | TIME
VOLUME TO PURGE: 1.19 Gal. PURGE ENDED: 9-26-05 9:25
49 * .25 = 16.00 ACT. VOL. PURGED: 6.5 GAL.

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>WPB</u>	<u>9:15</u>	<u>24.96</u>	<u>159</u>	<u>5.88</u>	<u>4.12</u>	<u>9.3</u>
<u>WPB</u>	<u>9:20</u>	<u>24.99</u>	<u>157</u>	<u>5.80</u>	<u>5.03</u>	<u>11.8</u>
<u>WPB</u>	<u>9:25</u>	<u>24.99</u>	<u>157</u>	<u>5.77</u>	<u>4.94</u>	<u>11.9</u>

COLORS & SHEENS: YES NO

CONTAINER CODE:

NO.	COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
					DATE	TIME
<u>2</u>		<u>EDE</u>	<u>NONE</u>	<u>2-40 ml SEPTUM VIAL</u>	<u>9-26-05</u>	<u>9:25</u>
<u>1</u>		<u>GENERAL</u>	<u>NONE</u>	<u>1000 ml. PLASTIC</u>		
<u>1</u>		<u>METALS</u>	<u>2 ml. HNO3</u>	<u>500 ml. PLASTIC</u>		
<u>1</u>		<u>NUTRIENTS</u>	<u>2 ml. H2SO4</u>	<u>250 ml. PLASTIC</u>		
<u>3</u>		<u>VOC</u>	<u>1:1 HCL</u>	<u>3-40 ml. SEPTUM VIAL</u>		

8 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

AMMONIA-NITROGEN / CHLORIDES / IRON / MERCURY / NITRATE-NITROGEN
SODIUM TDS / PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 YES SAMPLE STORAGE: COOLER & ICE TO 4.0 C

ABOVE LISTED SAMPLES:
RELINQUISHED BY: WPB REP. OF SOLID WASTE DEPT. 9-26-05 12:00
ACCEPTED BY: WPB REP. OF CONTRACT LAB. 9-26-05 12:00

COMMENTS: WPB #0001