

41193

Dept. of Environmental
Protection



Hillsborough County
Florida

SEP 04 2008

GW

SW

PRIVATE WELLS

Southwest District

ANALYTICAL DATA REPORT MAY 2008

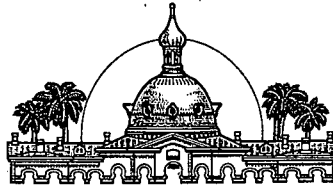
SOUTHEAST COUNTY LANDFILL SITE HILLSBOROUGH COUNTY, FLORIDA

Hillsborough County
Solid Waste Management Department
Management & Environmental Services Section
P.O. Box 1110
Tampa, Florida 33601

IODOMETHANE &
METHYLENE CHLORIDE
REPORTED IN SAMPLES
COLLECTED FROM EACH OF
THE 3 PRIVATE WELLS AT
~ SAME CONCENTRATIONS
AS EQUIPMENT BLEND &
THE BLANK SAMPLES

September 2, 2008

MAY 2008
SAMPLING
EVENT



Hillsborough County
Florida

Office of the County Administrator
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September 2, 2008

Mr. John Morris, P.G.
Department of Environmental Protection
Southwest District-Solid Waste Section
13051 Telecom Parkway
Temple Terrace, FL 33637

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
SEP - 4 2008
SOUTHWEST DISTRICT
TAMPA

**Re: Southeast County Landfill
Permit Nos. 35435-006-SO, 35435-007-SO
Analytical Data Report - May 2008**

Dear Mr. Morris:

In accordance with the above-referenced permits, the Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the May 2008 analytical data report (ADR) for the water quality monitoring conducted at the Southeast County Landfill (SCLF). The SWMD conducted three separate sampling events to address the permit required sampling activities. Sampling events were conducted on March 27, March 31, and May 19-22, 2008 by the SWMD Field Sampling Team.

Three new surficial aquifer detection wells were installed on March 18-19, 2008 as required under Southeast County Permit No. 35435-011-SC/01 for Section 9, Part E – Water Quality Monitoring Requirements, Specific Condition No. 3. These groundwater monitoring wells were designated as TH-69, TH-70, and TH-71, and the SWMD attempted to collect samples on March 27, 2008. However, it was observed that there was insufficient groundwater in TH-70 and TH-71 to collect representative samples utilizing our dedicated sampling equipment. A sample was collected from TH-69 on that date; however, the screen intervals for these three wells appeared to be too high for the seasonal groundwater elevations along the north side of Section 9.

After reviewing site conditions and speaking directly with you, as the appropriate representative of the Florida Department of Environmental Protection (FDEP), the SWMD and our engineering consultant, Jones Edmunds, proposed to install three deeper replacement wells with more appropriate screen intervals in order to obtain representative groundwater samples in the future. These wells were installed on May 15, 2008, and designated as TH-69A, TH-70A, and TH-71A.

Post Office Box 1110 • Tampa, Florida 33601

Web Site: www.hillsboroughcounty.org

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Upon their installation, these three new wells have been observed to perform very well, and they will be sound down gradient detection monitoring wells for the future sampling events. The groundwater elevations observed support the position that the screen intervals are appropriately placed. There are differences in the elevations from the wells adjacent to one another, and a significant difference in the elevations observed in TH-71 and TH-71A compared to the other wells. Based on these observations, the groundwater elevation contour diagram was prepared without utilizing the data from these wells. The SWMD will continue to evaluate the groundwater elevations in this area before drawing any conclusions regarding these apparent differences in elevation.

The water quality observations and their overall impact to the future groundwater monitoring activities at the SCLF are discussed in parameter specific details herein.

FIELD PARAMETERS

pH

The surficial aquifer detection and background water quality monitoring wells continue to exhibit pH values below the SDWS acceptable range of 6.5 to 8.5 pH units. The pH values across the site range in value from 4.21 to 6.40 pH units. The pH at the site has historically been observed to be below the acceptable range.

The 1983 Ardaman and Associates, Inc. report titled Hydrogeologic Investigation, Southeast County Landfill, reported pH values ranging from 4.4 to 6.7 pH units in six wells on site. This data was collected prior to construction of the landfill, and supports the position that the pH values observed are consistent with the background water quality for the site. No unusual conditions or changes in the pH values within any of the detection or background monitoring wells or surface water sites were observed during this sampling event.

Turbidity

Turbidity values in the groundwater at the site remain consistent with the historical data set. The range of values observed in the surficial aquifer were 0.6 to 243 nephelometric turbidity units (NTU). It should be noted that recent earth work and construction activities have been occurring at the site, and may have influenced turbidity values near these specific areas. In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the SWMD has recorded turbidity data at the three sampling points along the tributary to Long Flat Creek after each significant rainfall event. Over the period of record from March 2008 to May 2008, turbidity measurements were observed below the compliance level of 29 NTU above the background (upstream) value. However, during this compliance sampling event, surface water locations Mine Cut #1 and Surface Site 3A exhibited turbidity levels of 364 and 60.2 NTU, respectively. Surface site 3A is the upstream location in the tributary to Long Flat Creek, and represents water quality entering the SCLF property. The downstream discharge Surface Site 3C2 was observed at 2.5 NTU indicating that the turbidity was significantly reduced between the upstream point and the discharge point.

GENERAL PARAMETERS

Radium 226

The Weeks' private supply well exhibited concentrations of radium 226 at 12.1 picocuries per liter (pCi/l), which is above the Primary Drinking Water Standard (PDWS) of 5 pCi/l. This supply well periodically exhibits radium 226 above the PDWS. No unusual conditions or changes in radium 226 values were observed during this sampling event, and the home owner has been appropriately notified of this condition. The detection of this radiological parameter in the Weeks' private supply well is not readily attributable to the landfill operations, and as previously discussed, is likely attributable to the past strip mining activities in the area.

Dissolved Oxygen

Dissolved oxygen was observed below the surface water standard of $>$ than or $=$ to 5 mg/l in two of the four surface water sampling locations. Surface water sampling locations Surface Site 3A and Surface Site 3B2B exhibited concentrations of 3.66 mg/l and 4.11 mg/l. Again, the surface water sampling site 3A is the upstream location in the tributary to Long Flat Creek and is representative of water quality entering the SCLF site. The dissolved oxygen concentration observed at the discharge point 3C2 was 5.6 mg/l, which indicates the site is not discharging surface water low in dissolved oxygen.

Fecal Coliform

Three of the four surface water sampling locations exhibited concentrations of fecal coliform above the MCL of 800 colonies per 100 milliliter (col/100ml). Concentrations observed at surface water sampling points Mine Cu t#1, 3B2B, and 3C2 were observed at 2,200, 12,000, and 4,200 col/100ml. The SWMD believes that the presence of coliform in the surface waters at these elevated concentrations is likely attributable to the numerous birds that frequent the landfill area on a daily basis.

METALS

Arsenic

Arsenic was observed above the PDWS of 0.01 mg/l in one surficial aquifer detection monitoring wells during this sampling event. Detection well TH-58 exhibited a concentration of 0.028 mg/l. The SWMD does not believe that the arsenic observed in this well is attributable to the buried waste within the landfill. The mobilization of arsenic and other metals in the anaerobic environments under the lined landfill has been discussed as a potential source of arsenic. The concentrations could also be naturally occurring within the soils surrounding this well and other localized areas at the site.

Iron

Iron concentrations in sixteen (16) of eighteen (18) surficial aquifer detection and background water quality monitoring wells were observed above the SDWS of 0.3 mg/l. The concentrations of iron ranged from 0.048 mg/l to 31 mg/l. The iron concentrations observed in the surficial aquifer wells across the site have historically been elevated in several areas. Several potential

sources for the elevated iron concentrations at the site have been discussed over the past few years, and there may be several factors contributing. However, the SWMD maintains the position that the source of the elevated iron in the surficial aquifer is not the buried wastes within the landfill.

Surface sampling sites 3A and 3B2B exhibited concentrations of iron above the surface water standard of 1 mg/l with concentrations of 4.8 mg/l and 1.4 mg/l. Private supply wells owned by Weeks and Holland exhibited levels of iron above the SDWS with concentrations of 0.58 mg/l and 1.7 mg/l, respectively. These wells consistently exhibit iron above the SDWS. No unusual changes in iron concentrations have been observed within any of the groundwater monitoring wells, surface water sampling locations, and private supply wells during this event.

VOLATILE ORGANIC CONSTITUENTS

Bis (2-ethylhexyl) phthalate

Bis (2-ethylhexyl) phthalate was observed exceeding the PDWS of 6 mg/l in two surficial aquifer detection monitoring wells during this sampling event. Detection wells TH-69 and TH-71 indicated concentrations of 8 mg/l and 15 mg/l, respectively. Additionally, one of the other new wells, TH-61A exhibited this constituent at a concentration below the PDWS. After careful review of the data, it appeared that the detections were only observed in the new groundwater monitoring wells that were recently installed and sampled in March 2008. The May 2008 sampling event did not confirm the presence of bis(2-ethylhexyl) phthalate in the groundwater. It should also be noted that this parameter has not been observed at the SCLF over the period of record.

CONCLUSIONS

Overall, the water quality at the Southeast County Landfill and surrounding areas remains consistent with the historical data set for the site. The groundwater within the surficial aquifer continues to exhibit concentrations of iron and pH values that are not within their applicable standards, but these constituents have been attributed to past mining activities and the landfill construction at the site. Arsenic concentrations exceeding the standard were observed in TH-58, but the water quality impacts at this location is believed to be a result of the mobilization of naturally occurring arsenic in the anaerobic environment under the landfill. Surface water quality exhibits some minor concerns with pH, dissolved oxygen, turbidity, iron, and fecal coliform. However these observations reflect the historical data set for the surface water sampling sites. The detections of coliform bacteria in the surface waters at the site is likely attributable to the numerous birds that frequent the landfill area on a daily basis. The Floridan aquifer monitoring wells continues to exhibit water quality within all applicable standards, and the private supply wells do not appear to exhibit any impacts attributable to the landfill.

Enclosed for your review is a detailed site location map, the data summary tables for the groundwater monitoring wells, the surface water sites, and the private supply wells. Additionally, this report provides the groundwater elevation data summary table, a surficial

Mr. John Morris, P.G.
September 2, 2008
Page 5

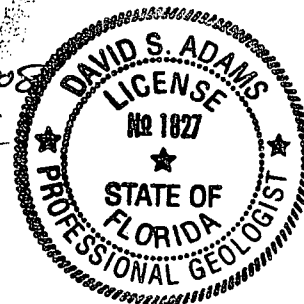
aquifer groundwater elevation and contour diagram, the required turbidity data summary table, copies of the letters sent to the owners of the private supply wells, and the complete laboratory analytical data report sheets. The next quarterly sampling event for the Southeast County Landfill site was conducted during the week of August, 25-29, 2008.

Should you have any questions, require any additional information, or would like to discuss the information provided within this submittal, please feel free to contact me at (813) 276-2944 or via e-mail at adamsds@hillsboroughcounty.org.

Sincerely,

David S. Adams 9/2/2008

David S. Adams, P.G.
Environmental Manager
Solid Waste Management



DSA/mdt
Enclosures

xc: Barry M. Boldissar, Director, SWMD, w/o enclosures
Patricia Berry, Section Manager, SWMD, w/o enclosures
Ernest Ely, Landfill Manager, WM, Southeast Landfill
Larry Ruiz, Project Manager, SWMD
Jason Timmons, Jones Edmunds
Chongman Lee, Florida Department of Environmental Protection
Andy Schipfer, Environmental Protection Commission
Irene Barnes, Southeast Hillsborough Civic Association

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Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

Dept. of Environmental Protection

SEP 04 2008

PART I GENERAL INFORMATION

(1) Facility Name SOUTHEAST LANDFILL

Address 15960 C. R. 672

City LITHIA, FL

Zip 33503

Telephone Number (813) 671-7707

Southwest District

(2) The GMS Identification Number 4029C30075

(3) DEP Permit Number 35435-006-SO & 35435-012-SO/MM

(4) Authorized Representative Name BARRY M. BOLDISSAR, DIRECTOR, SOLID WASTE MANAGEMENT DEPT

Address P O BOX 1110

City TAMPA, FLORIDA

Zip 33601

Telephone Number (813) 276-2900

(5) Type of Discharge GROUNDWATER - POTENTIAL ONLY

(5) Method of Discharge LANDFILL

Certification

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

Date: 9/2/08

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP # /HRS Certification #

*Comp QAP # /HRS Certification #

Lab Name TEST AMERICA LABORATORIES, INC.

Address 6712 BENJAMIN ROAD, SUITE 100, TAMPA, FL 33634

Phone Number (813) 885-7427

Analytical Results from Private Well Samples at the Southeast Landfill May 19, 2008

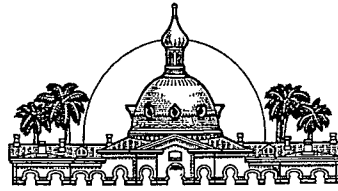
GENERAL (mg/l) PARAMETERS	Private Wells			(MCL) STANDARD
	Weeks	Holland	Barnes	F.A.C. 62-550
conductivity (umhos/cm) (field)	326	188	232	NS
dissolved oxygen (mg/l) (field)	0.61	0.06	2.86	NS
pH (field)	6.92	6.96	7.26	(6.5 - 8.5)**
temperature (°C) (field)	23.77	24.17	24.02	NS
turbidity (NTU) (field)	2.1	0.2	0.3	NS
total dissolved solids (mg/l)	310	200	230	500**
total suspended solids (mg/l)	BDL	BDL	BDL	NS
total organic carbon (mg/l)	3.1	1.6	2.2	NS
chloride (mg/l)	34	19	8.5	250**
ammonia nitrogen (mg/l as N)	0.19	0.065	0.13	NS
nitrate (mg/l as N)	BDL	BDL	0.13	10*
total alpha (pCi/l)	12.3	3.9	3.4	15*
radium 226 (pCi/l)	12.1	2.5	3.6	5*
radium 228 (pCi/l)	0.8	0.8	0.0	5*
Metals: (mg/l)	Private Wells			(MCL) STANDARD
	Weeks	Holland	Barnes	F.A.C. 62-550
iron	0.74	1.6	BDL	0.3**
chromium	BDL	BDL	BDL	0.2
cobalt	BDL	BDL	BDL	140***
copper	BDL	BDL	BDL	1**
barium	0.0049	0.0043	0.005	2*
arsenic	0.0058	BDL	BDL	0.01*
lead	0.0034	BDL	BDL	0.015*
sodium	8.7	5.6	16	160*
mercury	BDL	BDL	BDL	0.002
zinc	0.14	0.029	0.1	5**
antimony	BDL	BDL	BDL	0.006*
nickel	BDL	0.0058	BDL	0.1*
Organics: (µg/l) Organic Parameters Detected	Private Wells			(MCL) STANDARD
	Weeks	Holland	Barnes	F.A.C. 62-550
iodomethane	0.2	0.24	0.23	NS
methylene chloride	0.19	0.18	0.16	5*
1,1-dichloroethene	BDL	BDL	BDL	7*
Notes: Reference Groundwater Guidance Concentrations, FDEP June 1994				
NS=NO STANDARD				
MCL=MAXIMUM CONTAMINANT LEVEL				
BDL=BELOW DETECTION LIMIT				
*=DENOTES PRIMARY DRINKING WATER STANDARD				
**=DENOTES SECONDARY DRINKING WATER STANDARD				
12.1 : EXCEEDS STANDARDS				
NTU=NEPHELOMETRIC TURBIDITY UNITS				
pCi/l=PICOCURIES PER LITER				
µg/l=MICROGRAMS PER LITER				
mg/l=MILLIGRAMS PER LITER				

Prepared by: Mike Townsend

QC'd by: Jim Clayton

FinalQC: David Adams

SELF5.08-privatewells



Hillsborough County
Florida

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Manus J. O' Donnell

September 2, 2008

Mr. Howard Barnes
P.O. Box 108
Lithia, FL 33547

Subject: **Analytical Data**
Domestic Supply Well
17502 County Road 672

Dear Mr. Barnes:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on May 19, 2008. All parameters tested are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

If you have any questions on the analysis, you may call me at 276-2955. Thank you for permission to test this well.

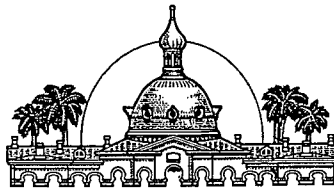
Sincerely,

 9/2/2008

Michael D. Townsel
Senior Hydrologist
Solid Waste Management Department

mdt
Enclosures

xc: Irene Barnes, Southeast Hillsborough Civic Association
Cindy Morris, Hillsborough County Health Department



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September 2, 2008

Mr. Tom Holland
121 Carter Road
Lithia, FL 33547

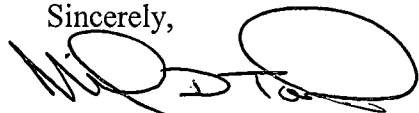
Subject: **Analytical Data**
Domestic Supply Well
121 Carter Road

Dear Mr. Holland:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on May 19, 2008. Iron was observed at a concentration of 1.6 mg/l which is above the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. All other parameters are within Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

For health effects information you may call the Hillsborough County Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 276-2955. Thank you for your permission to test this well.

Sincerely,



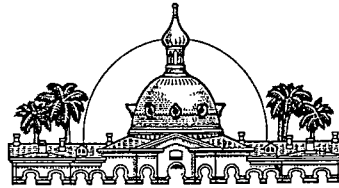
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Michael D. Townsel
Senior Hydrologist
Solid Waste Management Department

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Florida

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Carl S. Harness
Manus J. O' Donnell

September 2, 2008

Mr. & Mrs. Harold Weeks
116 Wendel Ave.
Lithia, FL 33547

Subject: **Analytical Data**
Domestic Supply Well
116 Wendel Ave.

Dear Mr. & Mrs. Weeks:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on May 19, 2008. Iron was observed at a concentration of 0.74 mg/l. This value exceeds the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. Radium 226 was observed at a concentration of 12.1 pCi/l, respectfully. This value exceeds the Florida Primary Drinking Water Standards (FAC Ch 62-550.310) of 5 pCi/l. All other parameters tested are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

For health effects information you may call the Hillsborough Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 276-2955. Thank you for your permission to test this well.

Sincerely,

 9/2/2008

Michael D. Townsel
Senior Hydrologist
Solid Waste Management Department

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Holland
Lab Sample ID: 660-23021-1

Date Sampled: 05/19/2008 1105
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed: 06/01/2008 1710		
Prep Method: 5030B			Date Prepared: 06/01/2008 1710		
Acetone	1.8 U	ug/L	1.8	25	1.0
Acrylonitrile	2.5 U	ug/L	2.5	20	1.0
Benzene	0.18 U	ug/L	0.18	1.0	1.0
Bromoform	0.29 U	ug/L	0.29	1.0	1.0
Bromomethane	0.24 U J3	ug/L	0.24	1.0	1.0
2-Butanone (MEK)	1.8 U	ug/L	1.8	10	1.0
Carbon disulfide	0.13 U	ug/L	0.13	1.0	1.0
Carbon tetrachloride	0.15 U	ug/L	0.15	1.0	1.0
Chlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
Chlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
Chlorodibromomethane	0.20 U	ug/L	0.20	1.0	1.0
Chloroethane	0.32 U	ug/L	0.32	1.0	1.0
Chloroform	0.094 U	ug/L	0.094	1.0	1.0
Chloromethane	0.26 U	ug/L	0.26	1.0	1.0
cis-1,2-Dichloroethene	0.17 U	ug/L	0.17	1.0	1.0
cis-1,3-Dichloropropene	0.24 U	ug/L	0.24	1.0	1.0
Dibromomethane	0.28 U	ug/L	0.28	1.0	1.0
1,4-Dichlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
1,2-Dichlorobenzene	0.17 U	ug/L	0.17	1.0	1.0
Dichlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
1,1-Dichloroethane	0.10 U	ug/L	0.10	1.0	1.0
1,2-Dichloroethane	0.28 U	ug/L	0.28	1.0	1.0
1,1-Dichloroethene	0.11 U	ug/L	0.11	1.0	1.0
1,2-Dichloropropane	0.14 U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.16 U	ug/L	0.16	1.0	1.0
2-Hexanone	1.7 U	ug/L	1.7	10	1.0
Iodomethane	0.24 I V	ug/L	0.063	5.0	1.0
Methylene Chloride	0.18 I	ug/L	0.096	5.0	1.0
4-Methyl-2-pentanone (MIBK)	2.2 U	ug/L	2.2	10	1.0
Styrene	0.18 U	ug/L	0.18	1.0	1.0
1,1,1,2-Tetrachloroethane	0.16 U	ug/L	0.16	1.0	1.0
1,1,2,2-Tetrachloroethane	0.19 U	ug/L	0.19	1.0	1.0
Tetrachloroethene	0.28 U	ug/L	0.28	1.0	1.0
Toluene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,4-Dichloro-2-butene	0.58 U	ug/L	0.58	2.0	1.0
trans-1,2-Dichloroethene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,3-Dichloropropene	0.13 U	ug/L	0.13	1.0	1.0
1,1,1-Trichloroethane	0.18 U	ug/L	0.18	1.0	1.0
1,1,2-Trichloroethane	0.21 U	ug/L	0.21	1.0	1.0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Holland
Lab Sample ID: 660-23021-1

Date Sampled: 05/19/2008 1105
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Trichloroethene	0.069 U	ug/L	0.069	1.0	1.0
Trichlorofluoromethane	0.16 U	ug/L	0.16	1.0	1.0
1,2,3-Trichloropropane	0.31 U	ug/L	0.31	1.0	1.0
Vinyl acetate	0.23 U	ug/L	0.23	2.0	1.0
Vinyl chloride	0.16 U	ug/L	0.16	1.0	1.0
Xylenes, Total	0.36 U	ug/L	0.36	2.0	1.0

Surrogate	Acceptance Limits				
Dibromofluoromethane	97	%	83 - 123		
Toluene-d8 (Surr)	97	%	78 - 126		
4-Bromofluorobenzene	80	%	70 - 119		

Method: 8011

Date Analyzed: 05/29/2008 1640

Prep Method: 8011

Date Prepared: 05/29/2008 1330

1,2-Dibromo-3-Chloropropane	0.010 U	ug/L	0.010	0.020	1.0
Ethylene Dibromide	0.0088 U	ug/L	0.0088	0.020	1.0

Method: Total Recoverable-6020

Date Analyzed: 05/23/2008 2137

Prep Method: 3005A

Date Prepared: 05/22/2008 1558

Silver	1.9 U	ug/L	1.9	10	1.0
Arsenic	4.8 U	ug/L	4.8	10	1.0
Barium	4.3 I	ug/L	1.2	10	1.0
Beryllium	0.74 U	ug/L	0.74	4.0	1.0
Cadmium	0.71 U	ug/L	0.71	5.0	1.0
Cobalt	1.4 U	ug/L	1.4	10	1.0
Chromium	1.7 U	ug/L	1.7	10	1.0
Copper	2.9 U	ug/L	2.9	20	1.0
Iron	1600	ug/L	39	100	1.0
Sodium	5.6	mg/L	0.15	0.50	1.0
Nickel	5.8 I	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	29	ug/L	5.9	20	1.0

Method: 7470A

Date Analyzed: 05/23/2008 1816

Prep Method: 7470A

Date Prepared: 05/22/2008 1228

Mercury	0.080 U	ug/L	0.080	0.20	1.0
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Method: 300.0

Date Analyzed: 06/03/2008 2058

Chloride	19	mg/L	2.0	5.0	1.0
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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Holland
Lab Sample ID: 660-23021-1

Date Sampled: 05/19/2008 1105
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 350.1 Ammonia	0.065				
		Date Analyzed:	06/02/2008 1219		
		mg/L	0.00075	0.020	1.0
Method: 353.2 Nitrate as N	0.10 U				
		Date Analyzed:	05/21/2008 0820		
		mg/L	0.10	0.50	1.0
Method: SM 5310C Total Organic Carbon	1.6				
		Date Analyzed:	05/31/2008 0929		
		mg/L	0.53	1.0	1.0

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Holland
Lab Sample ID: 660-23021-1

Date Sampled: 05/19/2008 1105
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	05/21/2008 1304		
Field pH	6.96	SU			1.0
Field Temperature	24.17	Degrees C			1.0
Oxygen, Dissolved	0.06	mg/L			1.0
Specific Conductance	188	umhos/cm			1.0
Turbidity	0.2	NTU			1.0

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
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24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Holland
Lab Sample ID: 660-23021-1

Date Sampled: 05/19/2008 1105
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C					
Total Dissolved Solids	200	mg/L	5.0	5.0	1.0
Method: SM 2540D					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1.0

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LABORATORY SERVICES

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TestAmerica-Tampa

6712 Benjamin Road

Tampa, FL 33634

Attn: Dr. Shibu Paul

DOH Certification #E84025

DEP COMPQAP # 870251

Report Date: June 4, 2008

Field Custody: Client
Client/Field ID: 660-23021-1
Holland

Sample Collection: 5-19-08

Lab ID No: 08.4497

Lab Custody Date: 5-21-08

Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	3.9 ± 0.7	05-28-08/0800	EPA 900.0	0.7
Radium-226	pCi/l	2.5 ± 1.1	05-30-08/1245	EPA 903.0	1.3
Radium-228	pCi/l	0.8 ± 0.8	05-30-08/1130	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAP standards.
Contact person: Jim Hayes (813) 229-2879.

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Barnes
Lab Sample ID: 660-23021-2

Date Sampled: 05/19/2008 1150
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed: 06/01/2008 1742		
Prep Method: 5030B			Date Prepared: 06/01/2008 1742		
Acetone	1.8 U	ug/L	1.8	25	1.0
Acrylonitrile	2.5 U	ug/L	2.5	20	1.0
Benzene	0.18 U	ug/L	0.18	1.0	1.0
Bromoform	0.29 U	ug/L	0.29	1.0	1.0
Bromomethane	0.24 U J3	ug/L	0.24	1.0	1.0
2-Butanone (MEK)	1.8 U	ug/L	1.8	10	1.0
Carbon disulfide	0.13 U	ug/L	0.13	1.0	1.0
Carbon tetrachloride	0.15 U	ug/L	0.15	1.0	1.0
Chlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
Chlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
Chlorodibromomethane	0.20 U	ug/L	0.20	1.0	1.0
Chloroethane	0.32 U	ug/L	0.32	1.0	1.0
Chloroform	0.094 U	ug/L	0.094	1.0	1.0
Chloromethane	0.26 U	ug/L	0.26	1.0	1.0
cis-1,2-Dichloroethene	0.17 U	ug/L	0.17	1.0	1.0
cis-1,3-Dichloropropene	0.24 U	ug/L	0.24	1.0	1.0
Dibromomethane	0.28 U	ug/L	0.28	1.0	1.0
1,4-Dichlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
1,2-Dichlorobenzene	0.17 U	ug/L	0.17	1.0	1.0
Dichlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
1,1-Dichloroethane	0.10 U	ug/L	0.10	1.0	1.0
1,2-Dichloroethane	0.28 U	ug/L	0.28	1.0	1.0
1,1-Dichloroethene	0.11 U	ug/L	0.11	1.0	1.0
1,2-Dichloropropane	0.14 U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.16 U	ug/L	0.16	1.0	1.0
2-Hexanone	1.7 U	ug/L	1.7	10	1.0
Iodomethane	0.23 I V	ug/L	0.063	5.0	1.0
Methylene Chloride	0.16 I	ug/L	0.096	5.0	1.0
4-Methyl-2-pentanone (MIBK)	2.2 U	ug/L	2.2	10	1.0
Styrene	0.18 U	ug/L	0.18	1.0	1.0
1,1,1,2-Tetrachloroethane	0.16 U	ug/L	0.16	1.0	1.0
1,1,2,2-Tetrachloroethane	0.19 U	ug/L	0.19	1.0	1.0
Tetrachloroethene	0.28 U	ug/L	0.28	1.0	1.0
Toluene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,4-Dichloro-2-butene	0.58 U	ug/L	0.58	2.0	1.0
trans-1,2-Dichloroethene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,3-Dichloropropene	0.13 U	ug/L	0.13	1.0	1.0
1,1,1-Trichloroethane	0.18 U	ug/L	0.18	1.0	1.0
1,1,2-Trichloroethane	0.21 U	ug/L	0.21	1.0	1.0

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Barnes
Lab Sample ID: 660-23021-2

Date Sampled: 05/19/2008 1150
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Trichloroethene	0.069 U	ug/L	0.069	1.0	1.0
Trichlorofluoromethane	0.16 U	ug/L	0.16	1.0	1.0
1,2,3-Trichloropropane	0.31 U	ug/L	0.31	1.0	1.0
Vinyl acetate	0.23 U	ug/L	0.23	2.0	1.0
Vinyl chloride	0.16 U	ug/L	0.16	1.0	1.0
Xylenes, Total	0.36 U	ug/L	0.36	2.0	1.0

Surrogate	Result/Qualifier	Unit	MDL	PQL	Dilution
Dibromofluoromethane	98	%		83 - 123	
Toluene-d8 (Surr)	97	%		78 - 126	
4-Bromofluorobenzene	82	%		70 - 119	

Method: 8011

Date Analyzed: 05/29/2008 1750

Prep Method: 8011

Date Prepared: 05/29/2008 1330

1,2-Dibromo-3-Chloropropane	0.010 U	ug/L	0.010	0.021	1.0
Ethylene Dibromide	0.0090 U	ug/L	0.0090	0.021	1.0

Method: Total Recoverable-6020

Date Analyzed: 05/23/2008 2211

Prep Method: 3005A

Date Prepared: 05/22/2008 1558

Silver	1.9 U	ug/L	1.9	10	1.0
Arsenic	4.8 U	ug/L	4.8	10	1.0
Barium	5.0 I	ug/L	1.2	10	1.0
Beryllium	0.74 U	ug/L	0.74	4.0	1.0
Cadmium	0.71 U	ug/L	0.71	5.0	1.0
Cobalt	1.4 U	ug/L	1.4	10	1.0
Chromium	1.7 U	ug/L	1.7	10	1.0
Copper	2.9 U	ug/L	2.9	20	1.0
Iron	39 U	ug/L	39	100	1.0
Sodium	16	mg/L	0.15	0.50	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	100	ug/L	5.9	20	1.0

Method: 7470A

Date Analyzed: 05/23/2008 1825

Prep Method: 7470A

Date Prepared: 05/22/2008 1228

Mercury	0.080 U	ug/L	0.080	0.20	1.0
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Method: 300.0

Date Analyzed: 06/03/2008 2135

Chloride	8.5	mg/L	2.0	5.0	1.0
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THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Barnes
Lab Sample ID: 660-23021-2

Date Sampled: 05/19/2008 1150
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 350.1 Ammonia	0.13	mg/L	0.00075	0.020	1.0
Method: 353.2 Nitrate as N	0.13 I	mg/L	0.10	0.50	1.0
Method: SM 5310C Total Organic Carbon	2.2	mg/L	0.53	1.0	1.0

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Barnes
Lab Sample ID: 660-23021-2

Date Sampled: 05/19/2008 1150
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	05/21/2008 1304		
Field pH	7.26	SU			1.0
Field Temperature	24.02	Degrees C			1.0
Oxygen, Dissolved	2.86	mg/L			1.0
Specific Conductance	232	umhos/cm			1.0
Turbidity	0.3	NTU			1.0

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Barnes
Lab Sample ID: 660-23021-2

Date Sampled: 05/19/2008 1150
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C Total Dissolved Solids	230	mg/L	5.0	5.0	1.0
Method: SM 2540D Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1.0

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TestAmerica-Tampa

6712 Benjamin Road

Tampa, FL 33634

Attn: Dr. Shibu Paul

DOH Certification #E84025

DEP COMPQAP # 870251

Report Date: June 4, 2008

Field Custody: Client
Client/Field ID: 660-23021-2
Barnes

Sample Collection: 5-19-08

Lab ID No: 08.4498

Lab Custody Date: 5-21-08

Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	3.4 ± 0.6	05-28-08/0800	EPA 900.0	0.7
Radium-226	pCi/l	3.6 ± 1.2	05-30-08/1245	EPA 903.0	1.1
Radium-228	pCi/l	0.0 ± 0.7	05-30-08/1130	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Contact person: Jim Hayes (813) 229-2879.

Page 1 of 1

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Weeks
Lab Sample ID: 660-23021-3

Date Sampled: 05/19/2008 1025
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed:	06/01/2008 1813		
Prep Method: 5030B			Date Prepared:	06/01/2008 1813		
Acetone	1.8	U	ug/L	1.8	25	1.0
Acrylonitrile	2.5	U	ug/L	2.5	20	1.0
Benzene	0.18	U	ug/L	0.18	1.0	1.0
Bromoform	0.29	U	ug/L	0.29	1.0	1.0
Bromomethane	0.24	U J3	ug/L	0.24	1.0	1.0
2-Butanone (MEK)	1.8	U	ug/L	1.8	10	1.0
Carbon disulfide	0.13	U	ug/L	0.13	1.0	1.0
Carbon tetrachloride	0.15	U	ug/L	0.15	1.0	1.0
Chlorobenzene	0.18	U	ug/L	0.18	1.0	1.0
Chlorobromomethane	0.18	U	ug/L	0.18	1.0	1.0
Chlorodibromomethane	0.20	U	ug/L	0.20	1.0	1.0
Chloroethane	0.32	U	ug/L	0.32	1.0	1.0
Chloroform	0.094	U	ug/L	0.094	1.0	1.0
Chloromethane	0.26	U	ug/L	0.26	1.0	1.0
cis-1,2-Dichloroethene	0.17	U	ug/L	0.17	1.0	1.0
cis-1,3-Dichloropropene	0.24	U	ug/L	0.24	1.0	1.0
Dibromomethane	0.28	U	ug/L	0.28	1.0	1.0
1,4-Dichlorobenzene	0.18	U	ug/L	0.18	1.0	1.0
1,2-Dichlorobenzene	0.17	U	ug/L	0.17	1.0	1.0
Dichlorobromomethane	0.18	U	ug/L	0.18	1.0	1.0
1,1-Dichloroethane	0.10	U	ug/L	0.10	1.0	1.0
1,2-Dichloroethane	0.28	U	ug/L	0.28	1.0	1.0
1,1-Dichloroethene	0.11	U	ug/L	0.11	1.0	1.0
1,2-Dichloropropane	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.16	U	ug/L	0.16	1.0	1.0
2-Hexanone	1.7	U	ug/L	1.7	10	1.0
Iodomethane	0.20	I V	ug/L	0.063	5.0	1.0
Methylene Chloride	0.19	I	ug/L	0.096	5.0	1.0
4-Methyl-2-pentanone (MIBK)	2.2	U	ug/L	2.2	10	1.0
Styrene	0.18	U	ug/L	0.18	1.0	1.0
1,1,1,2-Tetrachloroethane	0.16	U	ug/L	0.16	1.0	1.0
1,1,2,2-Tetrachloroethane	0.19	U	ug/L	0.19	1.0	1.0
Tetrachloroethene	0.28	U	ug/L	0.28	1.0	1.0
Toluene	0.19	U	ug/L	0.19	1.0	1.0
trans-1,4-Dichloro-2-butene	0.58	U	ug/L	0.58	2.0	1.0
trans-1,2-Dichloroethene	0.19	U	ug/L	0.19	1.0	1.0
trans-1,3-Dichloropropene	0.13	U	ug/L	0.13	1.0	1.0
1,1,1-Trichloroethane	0.18	U	ug/L	0.18	1.0	1.0
1,1,2-Trichloroethane	0.21	U	ug/L	0.21	1.0	1.0

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THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Weeks
Lab Sample ID: 660-23021-3

Date Sampled: 05/19/2008 1025
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Trichloroethene	0.069	U	ug/L	0.069	1.0	1.0
Trichlorofluoromethane	0.16	U	ug/L	0.16	1.0	1.0
1,2,3-Trichloropropane	0.31	U	ug/L	0.31	1.0	1.0
Vinyl acetate	0.23	U	ug/L	0.23	2.0	1.0
Vinyl chloride	0.16	U	ug/L	0.16	1.0	1.0
Xylenes, Total	0.36	U	ug/L	0.36	2.0	1.0

Surrogate	Acceptance Limits					
Dibromofluoromethane	98		%		83 - 123	
Toluene-d8 (Surr)	101		%		78 - 126	
4-Bromofluorobenzene	81		%		70 - 119	

Method: 8011

Date Analyzed: 05/29/2008 1837

Prep Method: 8011

Date Prepared: 05/29/2008 1330

1,2-Dibromo-3-Chloropropane	0.010	U	ug/L	0.010	0.020	1.0
Ethylene Dibromide	0.0089	U	ug/L	0.0089	0.020	1.0

Method: Total Recoverable-6020

Date Analyzed: 05/23/2008 2218

Prep Method: 3005A

Date Prepared: 05/22/2008 1558

Silver	1.9	U	ug/L	1.9	10	1.0
Arsenic	5.8	I	ug/L	4.8	10	1.0
Barium	4.9	I	ug/L	1.2	10	1.0
Beryllium	0.74	U	ug/L	0.74	4.0	1.0
Cadmium	0.71	U	ug/L	0.71	5.0	1.0
Cobalt	1.4	U	ug/L	1.4	10	1.0
Chromium	1.7	U	ug/L	1.7	10	1.0
Copper	2.9	U	ug/L	2.9	20	1.0
Iron	740		mg/L	39	100	1.0
Sodium	8.7		mg/L	0.15	0.50	1.0
Nickel	4.7	U	ug/L	4.7	40	1.0
Lead	3.4	I	ug/L	1.6	5.0	1.0
Antimony	2.9	U	ug/L	2.9	6.0	1.0
Selenium	5.9	U	ug/L	5.9	10	1.0
Thallium	0.50	U	ug/L	0.50	1.0	1.0
Vanadium	2.5	U	ug/L	2.5	5.0	1.0
Zinc	140		ug/L	5.9	20	1.0

Method: 7470A

Date Analyzed: 05/23/2008 1828

Prep Method: 7470A

Date Prepared: 05/22/2008 1228

Mercury	0.080	U	ug/L	0.080	0.20	1.0
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Method: 300.0

Date Analyzed: 06/03/2008 2148

Chloride	34		mg/L	2.0	5.0	1.0
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THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Weeks
Lab Sample ID: 660-23021-3

Date Sampled: 05/19/2008 1025
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 350.1 Ammonia	0.19	mg/L	0.00075	0.020	1.0
Method: 353.2 Nitrate as N	0.10 U	mg/L	0.10	0.50	1.0
Method: SM 5310C Total Organic Carbon	3.1	mg/L	0.53	1.0	1.0

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Mr. Jim Clayton
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Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Weeks
Lab Sample ID: 660-23021-3

Date Sampled: 05/19/2008 1025
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	05/21/2008 1304		
Field pH	6.92	SU			1.0
Field Temperature	23.77	Degrees C			1.0
Oxygen, Dissolved	0.61	mg/L			1.0
Specific Conductance	326	umhos/cm			1.0
Turbidity	2.1	NTU			1.0

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Weeks
Lab Sample ID: 660-23021-3

Date Sampled: 05/19/2008 1025
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C					
Total Dissolved Solids	310	mg/L	5.0	5.0	1.0
Method: SM 2540D					
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1.0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



LABORATORY SERVICES

2742 N. Florida Ave.

P.O. Box 1833

Tampa, Florida 33601

(813) 229-2879

Fax (813) 229-0002

TestAmerica-Tampa

6712 Benjamin Road

Tampa, FL 33634

Attn: Dr. Shibu Paul

DOH Certification #E84025

DEP COMPQAP # 870251

Report Date: June 4, 2008

Field Custody: Client
Client/Field ID: 660-23021-3
Weeks
Sample Collection: 5-19-08
Lab ID No: 08.4499
Lab Custody Date: 5-21-08
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	12.3 ± 1.2	05-28-08/0800	EPA 900.0	0.8
Radium-226	pCi/l	12.1 ± 3.0	05-30-08/1245	EPA 903.0	2.2
Radium-228	pCi/l	0.8 ± 0.8	05-30-08/1130	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Contact person: Jim Hayes (813) 229-2879.

Page 1 of 1

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-23021-4

Date Sampled: 05/19/2008 0955
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed:	06/01/2008 1639	
Prep Method: 5030B			Date Prepared:	06/01/2008 1639	
Acetone	1.8 U	ug/L	1.8	25	1.0
Acrylonitrile	2.5 U	ug/L	2.5	20	1.0
Benzene	0.18 U	ug/L	0.18	1.0	1.0
Bromoform	0.29 U	ug/L	0.29	1.0	1.0
Bromomethane	0.24 U J3	ug/L	0.24	1.0	1.0
2-Butanone (MEK)	1.8 U	ug/L	1.8	10	1.0
Carbon disulfide	0.13 U	ug/L	0.13	1.0	1.0
Carbon tetrachloride	0.15 U	ug/L	0.15	1.0	1.0
Chlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
Chlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
Chlorodibromomethane	0.20 U	ug/L	0.20	1.0	1.0
Chloroethane	0.32 U	ug/L	0.32	1.0	1.0
Chloroform	0.094 U	ug/L	0.094	1.0	1.0
Chloromethane	0.26 U	ug/L	0.26	1.0	1.0
cis-1,2-Dichloroethene	0.17 U	ug/L	0.17	1.0	1.0
cis-1,3-Dichloropropene	0.24 U	ug/L	0.24	1.0	1.0
Dibromomethane	0.28 U	ug/L	0.28	1.0	1.0
1,4-Dichlorobenzene	0.18 U	ug/L	0.18	1.0	1.0
1,2-Dichlorobenzene	0.17 U	ug/L	0.17	1.0	1.0
Dichlorobromomethane	0.18 U	ug/L	0.18	1.0	1.0
1,1-Dichloroethane	0.10 U	ug/L	0.10	1.0	1.0
1,2-Dichloroethane	0.28 U	ug/L	0.28	1.0	1.0
1,1-Dichloroethene	0.11 U	ug/L	0.11	1.0	1.0
1,2-Dichloropropane	0.14 U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.16 U	ug/L	0.16	1.0	1.0
2-Hexanone	1.7 U	ug/L	1.7	10	1.0
Iodomethane	0.20 I V	ug/L	0.063	5.0	1.0
Methylene Chloride	0.58 I	ug/L	0.096	5.0	1.0
4-Methyl-2-pentanone (MIBK)	2.2 U	ug/L	2.2	10	1.0
Styrene	0.18 U	ug/L	0.18	1.0	1.0
1,1,1,2-Tetrachloroethane	0.16 U	ug/L	0.16	1.0	1.0
1,1,2,2-Tetrachloroethane	0.19 U	ug/L	0.19	1.0	1.0
Tetrachloroethene	0.28 U	ug/L	0.28	1.0	1.0
Toluene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,4-Dichloro-2-butene	0.58 U	ug/L	0.58	2.0	1.0
trans-1,2-Dichloroethene	0.19 U	ug/L	0.19	1.0	1.0
trans-1,3-Dichloropropene	0.13 U	ug/L	0.13	1.0	1.0
1,1,1-Trichloroethane	0.18 U	ug/L	0.18	1.0	1.0
1,1,2-Trichloroethane	0.21 U	ug/L	0.21	1.0	1.0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-23021-4

Date Sampled: 05/19/2008 0955
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Trichloroethene	0.069 U	ug/L	0.069	1.0	1.0
Trichlorofluoromethane	0.16 U	ug/L	0.16	1.0	1.0
1,2,3-Trichloropropane	0.31 U	ug/L	0.31	1.0	1.0
Vinyl acetate	0.23 U	ug/L	0.23	2.0	1.0
Vinyl chloride	0.16 U	ug/L	0.16	1.0	1.0
Xylenes, Total	0.36 U	ug/L	0.36	2.0	1.0

Surrogate Acceptance Limits

Dibromofluoromethane	98	%	83 - 123
Toluene-d8 (Surr)	98	%	78 - 126
4-Bromofluorobenzene	79	%	70 - 119

Method: 8011

Prep Method: 8011

Date Analyzed: 05/29/2008 1901

Date Prepared: 05/29/2008 1330

1,2-Dibromo-3-Chloropropane	0.010 U	ug/L	0.010	0.020	1.0
Ethylene Dibromide	0.0088 U	ug/L	0.0088	0.020	1.0

Method: Total Recoverable-6020

Prep Method: 3005A

Date Analyzed: 05/23/2008 2224

Date Prepared: 05/22/2008 1558

Silver	1.9 U	ug/L	1.9	10	1.0
Arsenic	4.8 U	ug/L	4.8	10	1.0
Barium	1.2 U	ug/L	1.2	10	1.0
Beryllium	0.74 U	ug/L	0.74	4.0	1.0
Cadmium	0.71 U	ug/L	0.71	5.0	1.0
Cobalt	1.4 U	ug/L	1.4	10	1.0
Chromium	1.7 U	ug/L	1.7	10	1.0
Copper	2.9 U	ug/L	2.9	20	1.0
Iron	39 U	ug/L	39	100	1.0
Sodium	0.45 I	mg/L	0.15	0.50	1.0
Nickel	4.7 U	ug/L	4.7	40	1.0
Lead	1.6 U	ug/L	1.6	5.0	1.0
Antimony	2.9 U	ug/L	2.9	6.0	1.0
Selenium	5.9 U	ug/L	5.9	10	1.0
Thallium	0.50 U	ug/L	0.50	1.0	1.0
Vanadium	2.5 U	ug/L	2.5	5.0	1.0
Zinc	5.9 U	ug/L	5.9	20	1.0

Method: 7470A

Prep Method: 7470A

Date Analyzed: 05/27/2008 1100

Date Prepared: 05/22/2008 1228

Mercury	0.080 U	ug/L	0.080	0.20	1.0
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Method: 300.0

Chloride	2.0 U	mg/L	2.0	5.0	1.0
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THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-23021-4

Date Sampled: 05/19/2008 0955
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 350.1 Ammonia	0.12				
			Date Analyzed: 06/02/2008 1242		
		mg/L	0.00075	0.020	1.0
Method: 353.2 Nitrate as N	0.10 U				
			Date Analyzed: 05/21/2008 0820		
		mg/L	0.10	0.50	1.0
Method: SM 5310C Total Organic Carbon	0.53 U				
			Date Analyzed: 05/31/2008 1157		
		mg/L	0.53	1.0	1.0

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Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
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Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Equipment Blank
Lab Sample ID: 660-23021-4

Date Sampled: 05/19/2008 0955
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed: 05/21/2008 0830		
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1.0
Method: SM 2540D			Date Analyzed: 05/21/2008 1358		
Total Suspended Solids	5.0 U	mg/L	5.0	5.0	1.0

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TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Dr. Shibu Paul

DOH Certification #E84025
DEP COMPQAP # 870251

Report Date: June 4, 2008

Field Custody: Client
Client/Field ID: 660-23021-4
Equipment Blank

Sample Collection: 5-19-08

Lab ID No: 08.4500
Lab Custody Date: 5-21-08
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	0.0 ± 0.2	05-28-08/0800	EPA 900.0	0.5
Radium-226	pCi/l	0.3 ± 0.8	05-30-08/1245	EPA 903.0	1.4
Radium-228	pCi/l	0.0 ± 0.7	05-31-08/0930	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Contact person: Jim Hayes (813) 229-2879.

Page 1 of 1

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Travel Blank
Lab Sample ID: 660-23021-5

Date Sampled: 05/19/2008 1445
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed:	06/01/2008 1607		
Prep Method: 5030B			Date Prepared:	06/01/2008 1607		
Acetone	1.8	U	ug/L	1.8	25	1.0
Acrylonitrile	2.5	U	ug/L	2.5	20	1.0
Benzene	0.18	U	ug/L	0.18	1.0	1.0
Bromoform	0.29	U	ug/L	0.29	1.0	1.0
Bromomethane	0.24	U J3	ug/L	0.24	1.0	1.0
2-Butanone (MEK)	1.8	U	ug/L	1.8	10	1.0
Carbon disulfide	0.13	U	ug/L	0.13	1.0	1.0
Carbon tetrachloride	0.15	U	ug/L	0.15	1.0	1.0
Chlorobenzene	0.18	U	ug/L	0.18	1.0	1.0
Chlorobromomethane	0.18	U	ug/L	0.18	1.0	1.0
Chlorodibromomethane	0.20	U	ug/L	0.20	1.0	1.0
Chloroethane	0.32	U	ug/L	0.32	1.0	1.0
Chloroform	0.094	U	ug/L	0.094	1.0	1.0
Chloromethane	0.26	U	ug/L	0.26	1.0	1.0
cis-1,2-Dichloroethene	0.17	U	ug/L	0.17	1.0	1.0
cis-1,3-Dichloropropene	0.24	U	ug/L	0.24	1.0	1.0
Dibromomethane	0.28	U	ug/L	0.28	1.0	1.0
1,4-Dichlorobenzene	0.18	U	ug/L	0.18	1.0	1.0
1,2-Dichlorobenzene	0.17	U	ug/L	0.17	1.0	1.0
Dichlorobromomethane	0.18	U	ug/L	0.18	1.0	1.0
1,1-Dichloroethane	0.10	U	ug/L	0.10	1.0	1.0
1,2-Dichloroethane	0.28	U	ug/L	0.28	1.0	1.0
1,1-Dichloroethene	0.11	U	ug/L	0.11	1.0	1.0
1,2-Dichloropropane	0.14	U	ug/L	0.14	1.0	1.0
Ethylbenzene	0.16	U	ug/L	0.16	1.0	1.0
2-Hexanone	1.7	U	ug/L	1.7	10	1.0
Iodomethane	0.17	I V	ug/L	0.063	5.0	1.0
Methylene Chloride	0.60	I	ug/L	0.096	5.0	1.0
4-Methyl-2-pentanone (MIBK)	2.2	U	ug/L	2.2	10	1.0
Styrene	0.18	U	ug/L	0.18	1.0	1.0
1,1,1,2-Tetrachloroethane	0.16	U	ug/L	0.16	1.0	1.0
1,1,2,2-Tetrachloroethane	0.19	U	ug/L	0.19	1.0	1.0
Tetrachloroethene	0.28	U	ug/L	0.28	1.0	1.0
Toluene	0.19	U	ug/L	0.19	1.0	1.0
trans-1,4-Dichloro-2-butene	0.58	U	ug/L	0.58	2.0	1.0
trans-1,2-Dichloroethene	0.19	U	ug/L	0.19	1.0	1.0
trans-1,3-Dichloropropene	0.13	U	ug/L	0.13	1.0	1.0
1,1,1-Trichloroethane	0.18	U	ug/L	0.18	1.0	1.0
1,1,2-Trichloroethane	0.21	U	ug/L	0.21	1.0	1.0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Mr. Jim Clayton
Hillsborough County
Solid Waste Management Department
PO BOX 1110
24th Floor County Center
Tampa, FL 33601

Job Number: 660-23021-1

Client Sample ID: Travel Blank
Lab Sample ID: 660-23021-5

Date Sampled: 05/19/2008 1445
Date Received: 05/19/2008 1445
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Trichloroethene	0.069	U	ug/L	0.069	1.0	1.0
Trichlorofluoromethane	0.16	U	ug/L	0.16	1.0	1.0
1,2,3-Trichloropropane	0.31	U	ug/L	0.31	1.0	1.0
Vinyl acetate	0.23	U	ug/L	0.23	2.0	1.0
Vinyl chloride	0.16	U	ug/L	0.16	1.0	1.0
Xylenes, Total	0.36	U	ug/L	0.36	2.0	1.0
Surrogate	Acceptance Limits					
Dibromofluoromethane	96		%		83 - 123	
Toluene-d8 (Surr)	97		%		78 - 126	
4-Bromofluorobenzene	82		%		70 - 119	

DATA REPORTING QUALIFIERS

Client: Hillsborough County

Job Number: 660-23021-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	V	Indicates the analyte was detected in both the sample and the associated method blank.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.