41193
JM
12/2/11

BOARD OF COUNTY COMMISSIONERS
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Florida

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Lucia E. Garsys
Sharon D. Subadan

November 30, 2011

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

Dept. Of Environmental Protection

DEC 0 5 2011

Southwest District

RE: **Southeast County Landfill**
Additional Groundwater Assessment
Monitoring Wells TH-74 and TH-75

Dear Mr. Morris:

The Hillsborough County Public Utilities Department (County) is pleased to provide the analytical results from the initial sampling of the two new surficial aquifer groundwater monitoring wells, TH-74 and TH-75 at the Southeast County Landfill in Lithia, Florida. These wells were installed as part of an ongoing evaluation of water quality at TH-58, and are primarily intended to assess the lateral extent of arsenic in the surficial aquifer in the down gradient direction.

On September 20, 2011, the Test Lab Inc., on behalf of the County, installed the two down gradient surficial aquifer monitoring wells approximately 75 feet west of TH-58. In addition, the County had Test Lab abandon TH-26 due to severe damage to this inactive monitoring point. The monitoring well appeared to have been damaged during nearby construction activities. The PVC well casing was breached and filled with sand. A copy of the report from McKim and Creed detailing the well installations and abandonment procedures is provided herein. The initial sampling of the two new wells was conducted by County personnel on October 4, 2011 for the expanded parameter list detailed in Specific Condition Part E.4.b.of the current Southeast County Landfill Operations Permit No.35435-014-SO/01. All groundwater samples were analyzed by our contracted laboratory, Test America, Inc. Results from this sampling event exhibited arsenic slightly exceeding the PDWS of 0.01 micrograms per liter (ug/l) in monitoring well TH-75 with a result of 0.011 ug/l. In addition, both wells exhibited pH below the Secondary Drinking Water Standard (SDWS) acceptable range, and iron above the SDWS.

A summary table of the analytical detections, a copy of the report detailing the well installations and abandonment activities, and the complete laboratory report from the October 4, 2011 sampling event is attached.

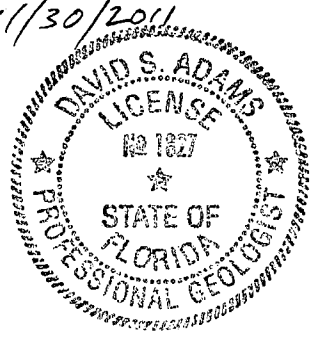
In an effort to further evaluate water quality in these wells, the County will include them in the monthly water quality sampling for continuation of the Initial Assessment Monitoring Plan (IAMP). Should you have any questions or if you would like to discuss this matter, please fell free to call us at (813) 272-5977 extension 43955 or 43944.

Sincerely,

Michael D. Townsel 11/30/2011
Senior Hydrologist
Public Utilities Department
Environmental Services

Sincerely,

David S. Adams, P.G. 11/30/2011
Environmental Manager
Public Utilities Department
Environmental Services



xc: Beth Schinella, Public Utilities
Patricia Berry, Public Utilities
Larry Ruiz, Public Utilities

G:/users/enviro/projects/self/misc letters/jmorris-ltr TH-74-TH-75.doc

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill October 4, 2011

GENERAL (mg/l)	Surficial Aquifer		(MCL) STANDARD
PARAMETERS	TH-74	TH-75	F.A.C. 62-550
well type	Assessment	Assessment	NA
conductivity (umhos/cm) (field)	497	309	NS
dissolved oxygen (mg/l) (field)	2.04	1.84	NS
pH (field)	5.74	5.62	(6.5 - 8.5)**
temperature (°C) (field)	24.14	24.35	NS
turbidity (NTU) (field)	13.1	15.3	NS
total dissolved solids (mg/l)	300	150	500**
chloride (mg/l)	58	14	250**
ammonia nitrogen (mg/l as N)	1.9	1.1	2.8***
nitrate (mg/l as N)	BDL	BDL	10*
			(MCL) STANDARD
Metals: (mg/l)	TH-74	TH-75	F.A.C. 62-550
iron	34	8.1	0.3**
cadmium	BDL	BDL	0.005*
chromium	0.0034 i	0.0029 i	0.2
copper	0.0018 i	BDL	1**
beryllium	BDL	BDL	0.004*
barium	0.017	0.016	2*
cobalt	0.0013	0.00024 i	140***
arsenic	0.0046	0.011	0.01*
lead	0.00068 i	0.00065 i	0.015*
nickel	0.0046 iv	0.0022 iv	0.1*
selenium	0.0011 i	BDL	0.05*
sodium	28	11	160*
mercury	BDL	BDL	0.002*
vanadium	0.011	0.0062 i	49***
antimony	BDL	BDL	0.006*
zinc	0.017 i	BDL	5**
thallium	BDL	BDL	0.002*

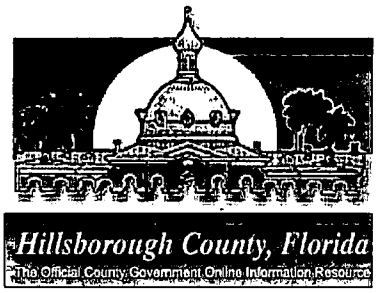
NOTE:	Reference Groundwater Guidance Concentrations, FDEP 2007
NS=	NO STANDARD
MCL=	MAXIMUM CONTAMINANT LEVEL
BDL=	BELOW DETECTION LIMIT
*=	DENOTES PRIMARY DRINKING WATER STANDARD
**=	DENOTES SECONDARY DRINKING WATER STANDARD
***=	STANDARDS, OR FLORIDA GUIDANCE CONCENTRATION MCL (shaded and bold)
5.74	: EXCEEDS STANDARDS
NTU=	NEPHELOMETRIC TURBIDITY UNITS
µg/l=	MICROGRAMS PER LITER
mg/l=	MILLIGRAMS PER LITER

Dept. Of Environmental Protection
DEC 02 2011
Southwest District

Replacement table for initial TH-74/ TH-75 assessment at Southeast L.F.

McKIM&CREED

Groundwater Assessment for Landfills



Task 3- Southeast County Landfill
New Monitoring Wells MW-74 and MW-75
Abandonment of Piezometer TH-26
Hillsborough County Public Utilities Department

Date: November 2011

Prepared for:
Hillsborough County Public Utilities Dept.
925 East Twiggs Street
Tampa, FL 33602

Prepared by:
McKim & Creed, Inc.
1365 Hamlet Avenue
Clearwater, FL 33756

McKim & Creed Project #01179-0017

TEST LAB INC.
GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

November 4, 2011

McKim & Creed
1365 Hamlet Avenue
Clearwater, Florida 33756

Attention: Mr. David Wehner

Subject: Geotechnical Drilling Services
Groundwater Assessment of Landfills
Southeast County (Task 3) Landfill Site
Lithia, Hillsborough County, Florida
Test Lab Project No.: GE 11-3643

Dear Mr. Wehner:

Test Lab, Inc. has completed the field activity for Task 3 of the approved work order dated August 4, 2011 for the installation and construction of two monitoring wells and the abandonment of one existing well at the Southeast County Landfill site.

The two new wells (MW-74 and MW-75) were installed at locations provided by Hillsborough County on September 20, 2011 along with the abandonment of one existing 20 foot well (TH-26). Attached you will find a copy of the Southwest Florida Water Management District (SWFWMD) Well Completion Report for new well construction, the SWFWMD Well Completion Report for abandonment, well construction diagrams, soil profiles, and monitoring well location plan. The locations of these wells were determined using a Garman Vista HCx GPS.

Test Lab, Inc. appreciates this opportunity to have worked with you on this project and we look forward to working with you again on your future projects. Please contact us should you need any further information or have any questions on this project.

Sincerely,
Test Lab, Inc.

Lawrence M. Colson
Senior Project Manager

Jeanne Berg, P.E.
Vice President

Attachments:
1. SWFWMD Well Completion Report for New Construction #815567 (4 sheets)
2. SWFWMD Well Completion Report for Well Abandonment #815569 (1 sheet)
3. Sheet 2 – Soil Profile and Typical Monitoring Well Construction
4. Sheet 1 – Monitoring Well Location Plan

STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp
Received:
Sep 28, 2011 8:29 am
Official Use Only

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1. *Permit Number 815567 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2. *Number of permitted wells constructed, repaired, or abandoned 2 *Number of permitted wells not constructed, repaired, or abandoned 2

3. *Owner's Name Hillsborough County 4. *Completion Date 09/20/2011 5. Florida Unique ID _____

6. 15960 CR 672 LITHIA
*Well Location - Address, Road Name or Number, City, ZIP

7. *County HILLSBOROUGH *Section 15 Land Grant _____ *Township 31 *Range 21

8. Latitude 27 46 41.46 Longitude 82 11 14.82

9. Data Obtained From: ___GPS _X_ Map ___Survey Datum: ___NAD 27 _X_ NAD 83 ___WGS 84

10. *Type of Work: _X_ Construction ___Repair ___Modification ___Abandonment

11. *Specify Intended Use(s) of Well(s):
___Domestic
___Bottled Water Supply
___Public Water Supply (Limited Use/DOH)
___Public Water Supply (Community or Non-Community/DEP)
___Class I Injection
___Landscape Irrigation
___Recreation Area Irrigation
___Agricultural Irrigation
___Livestock
___Nursery Irrigation
___Commercial/Industrial
___Golf Course Irrigation
_X_ Site Investigation
___Monitoring
___Test
___Earth-Coupled Geothermal
___HVAC Supply
___HVAC Return
Class V Injection: ___Recharge ___Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage
Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____
___Other (Describe) _____

12. *Drill Method: _X_ Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
___Horizontal Drilling ___Hydraulic Point (Direct Push) ___Other _____

13. *Measured Static Water Level 5.5 ft. Measured Pumping Water Level ___ ft. After ___ Hours at ___ GPM

14. *Measuring Point (Describe) _____ Which is ___ ft. ___Above ___Below Land Surface *Flowing: ___Yes ___No

15. *Casing Material: ___Black Steel ___Galvanized _X_ PVC ___Stainless Steel ___Not Cased ___Other _____

16. *Total Well Depth 14.0 ft. Cased Depth 4.0 ft. *Open Hole: From ___ To ___ ft. *Screen: From ___ To ___ ft. Slot Size ___

17. *Abandonment: ___Other (Explain) _____
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

18. *Surface Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

19. *Primary Casing Diameter and Depth:
Dia 2.00 in. From 0.00 ft. To 4.00 ft. No. of Bags 1.00 Seal Material (Check One): _X_ Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

20. *Liner Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

21. *Telescope Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

22. Pump Type (If Known):
___Centrifugal ___Jet ___Submersible ___Turbine
Horsepower ___ Pump Capacity (GPM) ___
Pump Depth ___ ft. Intake Depth ___ ft.

23. Chemical Analysis (When Required):
Iron ___ ppm Sulfate ___ ppm Chloride ___ ppm
___Laboratory Test ___Field Test Kit

24. Water Well Contractor:

*Contractor Name Gregory W Campbell *License Number 2613 E-mail Address chad@pdsflorida.com

*Contractor's Signature Digitally Signed (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Jon Kriksclukas

FORM LEG-R.005.02 (06/10) Rule 40D-3.411 (1)(a), F.A.C. EFFECTIVE DATE: 9/12/2010

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	0.0	ft.	To	6.5	ft.	Color TAN	Grain Size (F, M, C) FINE	Material SAND
From	6.5	ft.	To	11.5	ft.	Color BROWN	Grain Size (F, M, C) FINE	Material SAND
From	11.5	ft.	To	14.0	ft.	Color BROWN	Grain Size (F, M, C) VERY FINE	Material SAND
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material
From		ft.	To		ft.	Color	Grain Size (F, M, C)	Material

Comments:

*Detailed Site Map of Well Location

Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp
Received:
Sep 28, 2011 8:29 am
Official Use Only

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1.*Permit Number 815567 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 2 *Number of permitted wells not constructed, repaired, or abandoned 2

3.*Owner's Name Hillsborough County 4.*Completion Date 09/20/2011 5. Florida Unique ID _____

6. 15960 CR 672 LITHIA
*Well Location - Address, Road Name or Number, City, ZIP

7. *County HILLSBOROUGH *Section 15 Land Grant _____ *Township 31 *Range 21

8. Latitude 27 46 41.27 Longitude 82 11 14.85

9. Data Obtained From: ___GPS _X_ Map ___Survey Datum: ___NAD 27 _X_ NAD 83 ___WGS 84

10.*Type of Work: _X_ Construction ___Repair ___Modification ___Abandonment

11.*Specify Intended Use(s) of Well(s):
___Domestic
___Bottled Water Supply
___Public Water Supply (Limited Use/DOH)
___Public Water Supply (Community or Non-Community/DEP)
___Class I Injection
___Landscape Irrigation
___Recreation Area Irrigation
___Agricultural Irrigation
___Livestock
___Nursery Irrigation
___Commercial/Industrial
___Golf Course Irrigation
___Site Investigation
_X_ Monitoring
___Test
___Earth-Coupled Geothermal
___HVAC Supply
___HVAC Return

Class V Injection: ___Recharge ___ Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage

Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____

___Other (Describe) _____

12.*Drill Method: _X_ Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
___Horizontal Drilling ___Hydraulic Point (Direct Push) ___Other _____

13.*Measured Static Water Level 5.5 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14.*Measuring Point (Describe) _____ Which is ___ ft. ___Above ___Below Land Surface *Flowing: ___Yes ___No

15.*Casing Material: ___Black Steel ___Galvanized _X_ PVC ___Stainless Steel ___Not Cased ___Other _____

16.*Total Well Depth 14.0 ft. Cased Depth 4.0 ft. *Open Hole: From ___ To ___ ft. *Screen: From ___ To ___ ft. Slot Size ___

17.*Abandonment: ___Other (Explain) _____
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

18.*Surface Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

19.*Primary Casing Diameter and Depth:
Dia 2.00 in. From 0.00 ft. To 4.00 ft. No. of Bags 1.00 Seal Material (Check One): _X_ Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

20.*Liner Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

21.*Telescope Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

22. Pump Type (If Known):
___Centrifugal ___Jet ___Submersible ___Turbine
Horsepower ___ Pump Capacity (GPM) ___
Pump Depth ___ ft. Intake Depth ___ ft.

23. Chemical Analysis (When Required):
Iron ___ ppm Sulfate ___ ppm Chloride ___ ppm
___Laboratory Test ___Field Test Kit

24. Water Well Contractor:

*Contractor Name Gregory W Campbell *License Number 2613 E-mail Address chad@pdsflorida.com

*Contractor's Signature Digitally Signed (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Jon Kriksciukas

FORM LEG-R.005.02 (06/10) Rule 40D-3.411 (1)(a), F.A.C. EFFECTIVE DATE: 9/12/2010

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	0.0	ft.	To	6.5	ft.	Color	TAN	Grain Size (F, M, C)	FINE	Material	SAND
From	6.5	ft.	To	11.5	ft.	Color	BROWN	Grain Size (F, M, C)	FINE	Material	SAND
From	11.5	ft.	To	14.0	ft.	Color	BROWN	Grain Size (F, M, C)	VERY FINE	Material	SAND
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	
From		ft.	To		ft.	Color		Grain Size (F, M, C)		Material	

Comments:

***Detailed Site Map of Well Location**

Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp
Received:
Sep 28, 2011 8:21 am
Official Use Only

☒ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1. *Permit Number 815569 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 1

3. *Owner's Name Hillsborough County 4. *Completion Date 09/20/2011 5. Florida Unique ID _____

6. 15960 CR 672 LITHIA
*Well Location - Address, Road Name or Number, City, ZIP

7. *County HILLSBOROUGH *Section 15 Land Grant _____ *Township 31 *Range 21

8. Latitude 27 46 40.33 Longitude 82 11 15.55

9. Data Obtained From: ___GPS _X_ Map ___Survey Datum: ___NAD 27 _X_ NAD 83 ___WGS 84

10. *Type of Work: ___Construction ___Repair ___Modification X Abandonment

11. *Specify Intended Use(s) of Well(s):
___Domestic
___Bottled Water Supply
___Public Water Supply (Limited Use/DOH)
___Public Water Supply (Community or Non-Community/DEP)
___Class I Injection
___Landscape Irrigation
___Recreation Area Irrigation
___Agricultural Irrigation
___Livestock
___Nursery Irrigation
___Commercial/Industrial
___Golf Course Irrigation
___Site Investigation
___Monitoring
___Test
___Earth-Coupled Geothermal
___HVAC Supply
___HVAC Return
Class V Injection: ___Recharge ___ Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage
Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____
X Other (Describe) PLUGGED

12. *Drill Method: ___Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
___Horizontal Drilling ___Hydraulic Point (Direct Push) X Other PLUGGED BY APPROVED METHOD

13. *Measured Static Water Level 5.5 ft. Measured Pumping Water Level _____ ft. After _____ Hours at _____ GPM

14. *Measuring Point (Describe) _____ Which is _____ ft. ___Above ___Below Land Surface *Flowing: ___Yes ___No

15. *Casing Material: ___Black Steel ___Galvanized X PVC ___Stainless Steel ___Not Cased ___Other _____

16. *Total Well Depth 20.0 ft. Cased Depth 20.0 ft. *Open Hole: From _____ To _____ ft. *Screen: From _____ To _____ ft. Slot Size _____

17. *Abandonment: ___Other (Explain) _____
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

18. *Surface Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

19. *Primary Casing Diameter and Depth:
Dia 2.00 in. From 0.00 ft. To 20.00 ft. No. of Bags 0.45 Seal Material (Check One): X Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

20. *Liner Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

21. *Telescope Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

22. Pump Type (If Known):
___Centrifugal ___Jet ___Submersible ___Turbine
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
___Laboratory Test ___Field Test Kit

24. Water Well Contractor:

*Contractor Name Gregory W Campbell *License Number 2613 E-mail Address chad@pdsflorida.com

*Contractor's Signature Digitally Signed (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) Jon Kriksciukas

FORM LEG-R.005.02 (06/10) Rule 40D-3.411 (1)(a), F.A.C. EFFECTIVE DATE: 9/12/2010

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	

Comments:

_____

_____

***Detailed Site Map of Well Location**

Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

W:\DOCUMENTS\GE\GE PROJECTS\2011 PROJECTS\11-3643 GROUNDWATER ASSESSMENT FOR LANDFILLS\CADD 11-3643 Southeast Landfill Drawing.dwg (02 - Soil Profile) Larry Nov 04, 2011 - 11:09am

General Notes

Notes:

1. The profiles depicted are of a generalized nature to highlight the major subsurface stratification features and material characteristics. The soil profiles include soil description, stratifications and penetration resistances. The stratifications shown on the boring profiles represent the conditions only at the actual boring location. Variations may occur and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition may be gradual.
2. Groundwater levels generally fluctuate during periods of prolonged drought and extended rainfall and may be affected by man-made influences. In addition, a seasonal effect will also occur in which higher groundwater levels or temporary perched conditions are normally recorded in rainy seasons.

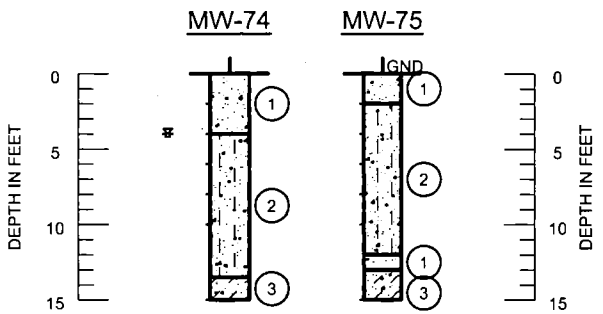
No.	Revision/Issue	Date

TEST LAB INC.
GEOTECHNICAL & MATERIALS ENGINEERING TESTING & INSPECTION

Groundwater Assessment for Landfills - Southeast County Landfill Lithia, FL

Project	Sheet
GE 11-3643	2
Date: November 4, 2011	
Scale: NTS	

SOIL PROFILE



LEGEND

① Gray SAND to SAND with Silt (SP/SP-SM)

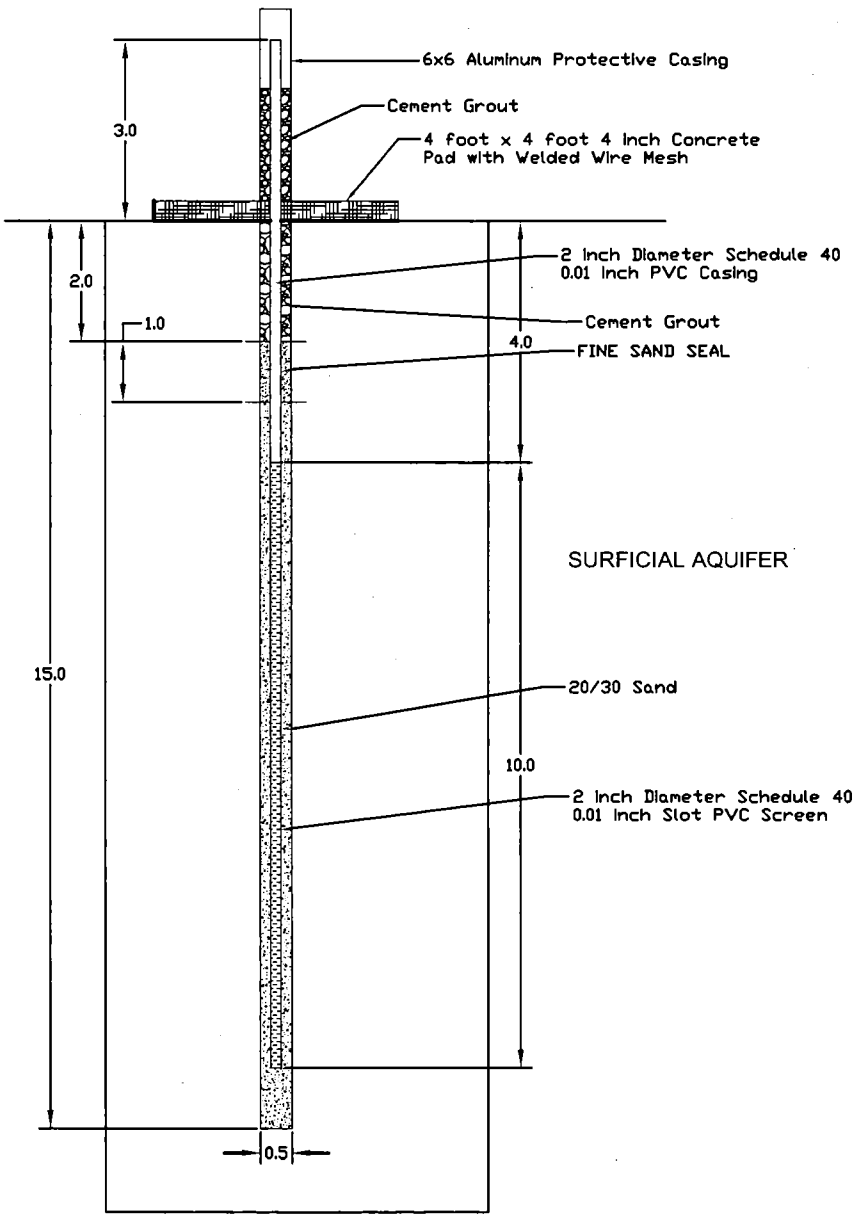
② Brown SAND to SAND With Silt (SP/SP-SM)

③ Gray Clayey SAND (SC)

SP Unified Soil Classification System (ASTM D 2488) Group Symbol As Determined By Visual Review

Groundwater Table

GND Groundwater Table Not Determined Due To Drilling Methods Utilized



TYPICAL MONITORING WELL CONSTRUCTION

General Notes

LEGEND

MW-1
APPROXIMATE MONITORING WELL BORING LOCATION
(N27.77704/W082.18847)
APPROXIMATE LATITUDE/LONGITUDE COORDINATE (WGS84)

(E303000/N3073300)
GRID - UTM COORDINATE (WGS84)

No.	Revision/Issue	Date

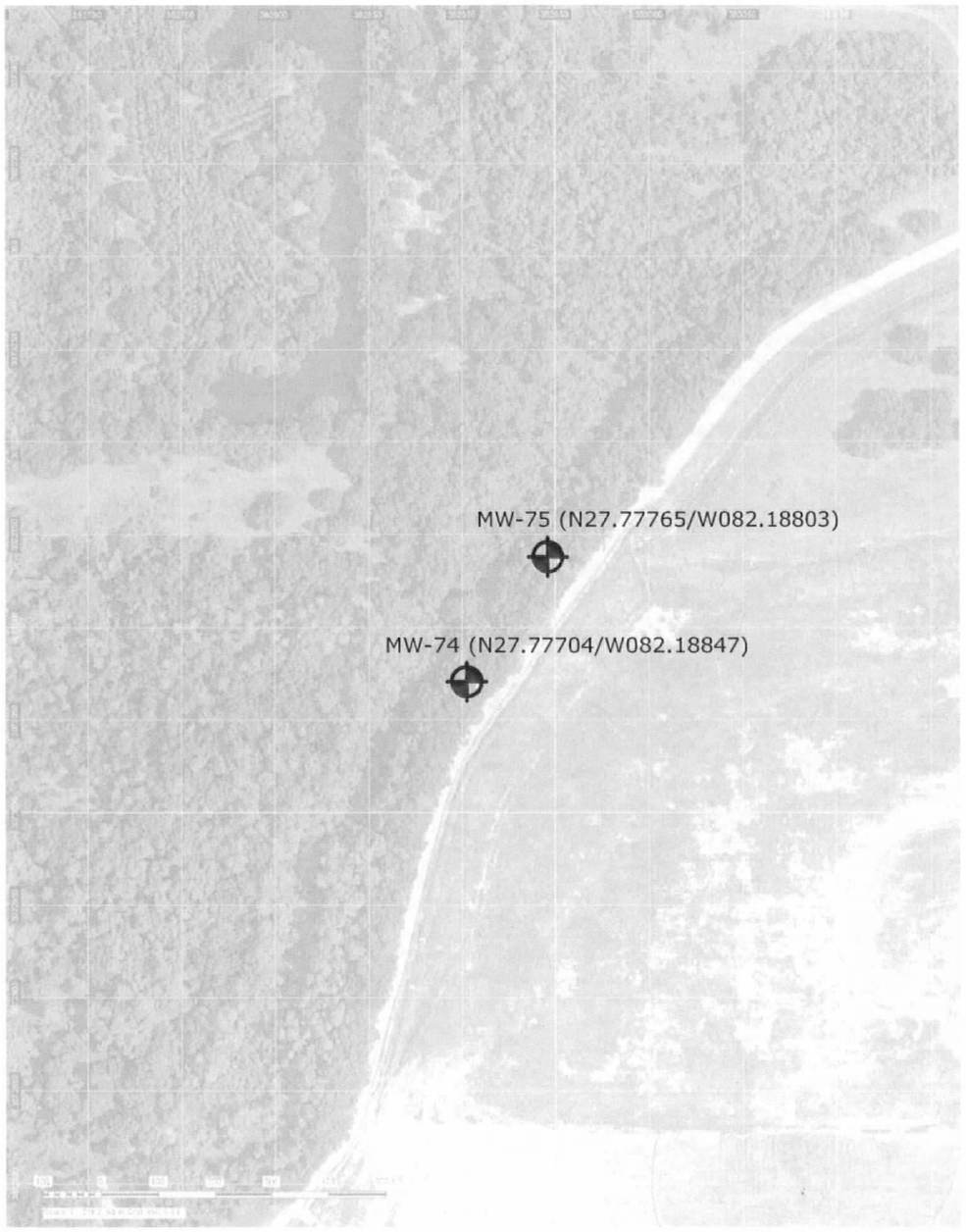
Firm Name and Address

TEST LAB INC.
GEOTECHNICAL & MATERIALS ENGINEERING TESTING & INSPECTION

Project Name and Address

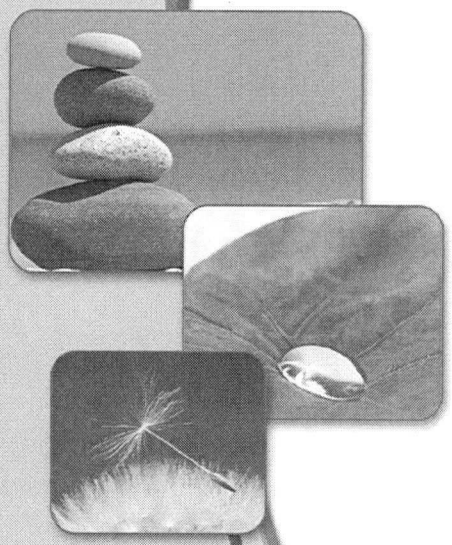
Groundwater Assessment for Landfills - Southeast County Landfill Lithia, FL

Project	Sheet
GE 11-3643	1
Date: November 4, 2011	
Scale: As Shown	



MONITORING WELL LOCATION PLAN

W:\DOCUMENTS\GE\GE PROJECTS\2011 PROJECTS\11-3643 GROUNDWATER ASSESSMENT FOR LANDFILLS\CADD \11-3643 Southeast Landfill Drawing.dwg (01 - Test Loc) Larry Nov 04, 2011 - 11:06am



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43901-1
Client Project/Site: Southeast Landfill

For:
Hillsborough County Public Utilities Dep
Solid Waste Management Group
Brandon Support Operations Complex
332 North Falkenburg Rd, 2nd Floor
Tampa, Florida 33619

Attn: David Adams

Authorized for release by:
10/26/2011 11:35:02 AM

Nancy Robertson
Project Manager II
nancy.robertson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
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.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
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.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates the analyte was detected in both the sample and the associated method blank.

General Chemistry

Qualifier	Qualifier Description
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43901-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43901-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria. The LCS and matrix spike associated with batch 115932 had Acetone and Acrolein outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified with J3.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria. The LCS associated with batch 116073 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified with J3.

Method 8270C: The matrix spike (MS) recoveries for batch 116073 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8270C LL: The matrix spike (MS) recoveries associated with batch 115881 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8141A: The laboratory control sample duplicate (LCSD) for batch 85863 was outside control limits bias high for Methyl parathion, Parathion and Phorate. The samples were all non detect and are flagged with J3.

Method 8151A: The matrix spike duplicate (MSD) recovery associated with batch 217131 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8151A: Surrogate recovery for the following sample was outside the upper control limit: TH-75 (660-43901-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The sample is flagged with J3.

No other analytical or quality issues were noted.

Metals
Method 6020A: The method blank for batch 217010 contained an estimated result for Nickel between the MDL and PQL. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. The samples are flagged with V.

Method 6020A: The laboratory control sample (LCS) for batch 217010 exceeded control limits for the following analyte: Antimony. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported and flagged with J3.

Method 6020A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 217010 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Job ID: 660-43901-1 (Continued)

Laboratory: TestAmerica Tampa (Continued)

Method 7470A: The laboratory control sample (LCS) for batch 216961 exceeded control limits for the following analyte: Mercury. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported and flagged with J3.

No other analytical or quality issues were noted.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 116185 were outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The matrix spike (MS) recovery for batch 116227 was outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 CN E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 217401 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 S2 F: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 116035. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Detection Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74 — Lab Sample ID: 660-43901-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	5.74				SU	1		Field Sampling	Total/NA
Field Temperature	24.14				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.04				mg/L	1		Field Sampling	Total/NA
Specific Conductance	497				umhos/cm	1		Field Sampling	Total/NA
Turbidity	13.1				NTU	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	17		5.0	1.3	ug/L	1		6020A	Total Recovera
Chromium	3.4	I	5.0	2.5	ug/L	1		6020A	Total Recovera
Cobalt	1.3		0.50	0.15	ug/L	1		6020A	Total Recovera
Copper	1.8	I	5.0	1.1	ug/L	1		6020A	Total Recovera
Iron	34000		100	33	ug/L	1		6020A	Total Recovera
Lead	0.68	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Nickel	4.6	I V	5.0	2.0	ug/L	1		6020A	Total Recovera
Selenium	1.1	I	2.5	1.0	ug/L	1		6020A	Total Recovera
Sodium	28		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	11		10	3.8	ug/L	1		6020A	Total Recovera
Zinc	17	I	20	8.3	ug/L	1		6020A	Total Recovera
Chloride	58		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.9		0.020	0.010	mg/L	1		350.1	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	300		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-75 — Lab Sample ID: 660-43901-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field pH	5.62				SU	1		Field Sampling	Total/NA
Field Temperature	24.35				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.84				mg/L	1		Field Sampling	Total/NA
Specific Conductance	309				umhos/cm	1		Field Sampling	Total/NA
Turbidity	15.3				NTU	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	16		5.0	1.3	ug/L	1		6020A	Total Recovera
Chromium	2.9	I	5.0	2.5	ug/L	1		6020A	Total Recovera
Cobalt	0.24	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	8100		100	33	ug/L	1		6020A	Total Recovera
Lead	0.65	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Nickel	2.2	I V	5.0	2.0	ug/L	1		6020A	Total Recovera
Sodium	11		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	6.2	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	14		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	1.1		0.020	0.010	mg/L	1		350.1	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	150		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Blank, Equipment — Lab Sample ID: 660-43901-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	2.2	I V	5.0	2.0	ug/L	1		6020A	Total Recovera
Sodium	0.61		0.50	0.25	mg/L	1		6020A	Total Recovera
Zinc	22		20	8.3	ug/L	1		6020A	Total Recovera
Ammonia as N	0.051		0.020	0.010	mg/L	1		350.1	Total/NA

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Travel **Lab Sample ID: 660-43901-4**

No Detections

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			10/06/11 14:03	1
Acetonitrile	20	U	20	20	ug/L			10/06/11 14:03	1
Acrolein PQL @ 20 OK	3.8	U J3	5.0	3.8	ug/L 3.5			10/06/11 14:03	1
Acrylonitrile PQL @ 20 OK	1.2	U	10	1.2	ug/L 0.06			10/06/11 14:03	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 14:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			10/06/11 14:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 14:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 14:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 14:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 14:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 14:03	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 14:03	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 14:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 14:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 14:03	1
Chloroprene	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 14:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 14:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 14:03	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 14:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 14:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 14:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 14:03	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L NE			10/06/11 14:03	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L NE			10/06/11 14:03	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L NE			10/06/11 14:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 14:03	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 14:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L NE			10/06/11 14:03	1
Isobutyl alcohol	31	U	200	31	ug/L			10/06/11 14:03	1
Methacrylonitrile PQL @ 10 OK	1.8	U	10	1.8	ug/L 0.7			10/06/11 14:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 14:03	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 14:03	1
Propionitrile	7.2	U	100	7.2	ug/L NE			10/06/11 14:03	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 14:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 14:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 14:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 14:03	1
Toluene	0.51	U	1.0	0.51	ug/L			10/06/11 14:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L NE			10/06/11 14:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 14:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 14:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 14:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 14:03	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 14:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:03	1
1,2,3-Trichloropropane PQLC 2 OK	0.18	U	1.0	0.18	ug/L 0.02			10/06/11 14:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			10/06/11 14:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 14:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			10/06/11 14:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*10/06/11 14:03*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*10/06/11 14:03*	*1*
Toluene-d8 (Surr)	*114*		*70 - 130*		*10/06/11 14:03*	*1*

Method: 8270C/LL_PAH - Low Level PAH's

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.48	U	1.9	0.48	ug/L		10/05/11 09:58	10/06/11 20:52	1
Acenaphthylene	0.24	U	0.96	0.24	ug/L		10/05/11 09:58	10/06/11 20:52	1
Anthracene	0.073	U	0.19	0.073	ug/L		10/05/11 09:58	10/06/11 20:52	1
Benzo[a]anthracene	0.048	U	0.19	0.048	ug/L		10/05/11 09:58	10/06/11 20:52	1
Benzo[a]pyrene	0.055	U	0.19	0.055	ug/L		10/05/11 09:58	10/06/11 20:52	1
Benzo[b]fluoranthene	0.048	U	0.19	0.048	ug/L		10/05/11 09:58	10/06/11 20:52	1
Benzo[g,h,i]perylene	0.096	U	0.48	0.096	ug/L		10/05/11 09:58	10/06/11 20:52	1
Benzo[k]fluoranthene	0.055	U	0.19	0.055	ug/L		10/05/11 09:58	10/06/11 20:52	1
Chrysene	0.066	U	0.19	0.066	ug/L		10/05/11 09:58	10/06/11 20:52	1
Dibenz(a,h)anthracene PQLC 0.2 OK	0.048	U	0.19	0.048	ug/L 0.005		10/05/11 09:58	10/06/11 20:52	1
Fluoranthene	0.052	U	0.48	0.052	ug/L		10/05/11 09:58	10/06/11 20:52	1
Fluorene	0.48	U	1.9	0.48	ug/L		10/05/11 09:58	10/06/11 20:52	1
Indeno[1,2,3-cd]pyrene	0.048	U	0.19	0.048	ug/L		10/05/11 09:58	10/06/11 20:52	1
1-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		10/05/11 09:58	10/06/11 20:52	1
2-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		10/05/11 09:58	10/06/11 20:52	1
Naphthalene	0.24	U	1.9	0.24	ug/L		10/05/11 09:58	10/06/11 20:52	1
Phenanthrene	0.19	U	0.48	0.19	ug/L		10/05/11 09:58	10/06/11 20:52	1
Pyrene	0.085	U	0.48	0.085	ug/L		10/05/11 09:58	10/06/11 20:52	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*44*		*30 - 130*	*10/05/11 09:58*	*10/06/11 20:52*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
2-Acetylaminofluorene	0.75	U	9.8	0.75	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
4-Aminobiphenyl	0.79	U	9.8	0.79	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Benzyl alcohol	2.8	U	9.8	2.8	ug/L		10/10/11 13:27	10/12/11 15:20	1
Bis(2-chloroethoxy)methane	2.0	U	9.8	2.0	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Bis(2-chloroethyl)ether PQL @ 10 OK	2.5	U	9.8	2.5	ug/L 0.03		10/10/11 13:27	10/12/11 15:20	1
bis(2 chloro-1-methylethyl) ether PQLC 10 OK	2.1	U	9.8	2.1	ug/L 0.5		10/10/11 13:27	10/12/11 15:20	1
Bis(2-ethylhexyl) phthalate	1.3	U	5.9	1.3	ug/L		10/10/11 13:27	10/12/11 15:20	1
4-Bromophenyl phenyl ether	1.7	U	9.8	1.7	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Butyl benzyl phthalate	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
4-Chloroaniline	2.1	U	20	2.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
4-Chloro-3-methylphenol	1.7	U	9.8	1.7	ug/L		10/10/11 13:27	10/12/11 15:20	1
2-Chloronaphthalene	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:20	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
4-Chlorophenyl phenyl ether	1.8	U	9.8	1.8	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Diallate	1.4	U	9.8	1.4	ug/L 0.6		10/10/11 13:27	10/12/11 15:20	1
Dibenzofuran	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,2-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,3-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,4-Dichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
3,3'-Dichlorobenzidine PQL @ 50 OK	1.6	U	20	1.6	ug/L 0.08		10/10/11 13:27	10/12/11 15:20	1
2,4-Dichlorophenol PQL @ 10 OK	1.8	U	9.8	1.8	ug/L 0.3		10/10/11 13:27	10/12/11 15:20	1
2,6-Dichlorophenol PQL @ 10 OK	1.6	U	9.8	1.6	ug/L 0.2		10/10/11 13:27	10/12/11 15:20	1
Diethyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
7,12-Dimethylbenz(a)anthracene	0.90	U	9.8	0.90	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
3,3'-Dimethylbenzidine PQL @ 10	14	U	20	14	ug/L 0.004		10/10/11 13:27	10/12/11 15:20	1
2,4-Dimethylphenol	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:20	1
Dimethyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
Di-n-butyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,3-Dinitrobenzene PQL @ 10 OK	0.97	U	9.8	0.97	ug/L 0.7		10/10/11 13:27	10/12/11 15:20	1
4,6-Dinitro-2-methylphenol	1.5	U	49	1.5	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
2,4-Dinitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
2,4-Dinitrotoluene PQL @ 0.2	0.89	U	9.8	0.89	ug/L 0.05		10/10/11 13:27	10/12/11 15:20	1
2,6-Dinitrotoluene PQL @ 10 OK	0.71	U	9.8	0.71	ug/L 0.05		10/10/11 13:27	10/12/11 15:20	1
Di-n-octyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
Ethyl methanesulfonate	1.3	U	9.8	1.3	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Hexachlorobenzene	1.7	U	3.9	1.7	ug/L 1		10/10/11 13:27	10/12/11 15:20	1
Hexachlorobutadiene PQL @ 3 OK	0.98	U	9.8	0.98	ug/L 0.4		10/10/11 13:27	10/12/11 15:20	1
Hexachlorocyclopentadiene	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
Hexachloroethane	0.83	U	9.8	0.83	ug/L		10/10/11 13:27	10/12/11 15:20	1
Hexachloropropene	0.65	U	9.8	0.65	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Isophorone	1.4	U	9.8	1.4	ug/L		10/10/11 13:27	10/12/11 15:20	1
Isosafrole	1.6	U	9.8	1.6	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Methapyrilene	1.1	U	2000	1.1	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
3-Methylcholanthrene	0.55	U	9.8	0.55	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
Methyl methanesulfonate	1.2	U	9.8	1.2	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
2-Methylphenol	2.3	U	9.8	2.3	ug/L		10/10/11 13:27	10/12/11 15:20	1
3 & 4 Methylphenol	2.4	U	9.8	2.4	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,4-Naphthoquinone	1.1	U	9.8	1.1	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
1-Naphthylamine	0.82	U	9.8	0.82	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
2-Naphthylamine PQL @ 10 OK	0.98	U	9.8	0.98	ug/L 0.0003		10/10/11 13:27	10/12/11 15:20	1
2-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 15:20	1
3-Nitroaniline	1.2	U	49	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
4-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 15:20	1
Nitrobenzene	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 15:20	1
2-Nitrophenol	1.2	U	9.8	1.2	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
4-Nitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
N-Nitro-o-toluidine	0.88	U	9.8	0.88	ug/L NE		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosodiethylamine PQL @ 10 OK	1.5	U	9.8	1.5	ug/L 0.0002		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosodimethylamine PQL @ 10 OK	2.4	U	9.8	2.4	ug/L 0.0007		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosodi-n-butylamine PQL @ 10 OK	1.5	U	9.8	1.5	ug/L 0.006		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosodi-n-propylamine PQL @ 10 OK	1.9	U	9.8	1.9	ug/L 0.005		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosodiphenylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:20	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosomethylethylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosopiperidine	0.85	U	9.8	0.85	ug/L		10/10/11 13:27	10/12/11 15:20	1
N-Nitrosopyrrolidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
o,o',o''-Triethylphosphorothioate	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:20	1
p-Dimethylamino azobenzene	0.66	U	9.8	0.66	ug/L		10/10/11 13:27	10/12/11 15:20	1
Pentachlorobenzene	0.97	U	9.8	0.97	ug/L		10/10/11 13:27	10/12/11 15:20	1
Pentachloronitrobenzene	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		10/10/11 13:27	10/12/11 15:20	1
Phenacetin	0.82	U	9.8	0.82	ug/L		10/10/11 13:27	10/12/11 15:20	1
Phenol	2.4	U	3.9	2.4	ug/L		10/10/11 13:27	10/12/11 15:20	1
p-Phenylene diamine	3.0	U J3	2000	3.0	ug/L		10/10/11 13:27	10/12/11 15:20	1
Pronamide	0.69	U	9.8	0.69	ug/L		10/10/11 13:27	10/12/11 15:20	1
Safrole, Total	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,2,4,5-Tetrachlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
2,3,4,6-Tetrachlorophenol	0.64	U	9.8	0.64	ug/L		10/10/11 13:27	10/12/11 15:20	1
2-Toluidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,2,4-Trichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:20	1
2,4,5-Trichlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 15:20	1
2,4,6-Trichlorophenol	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 15:20	1
1,3,5-Trinitrobenzene	0.60	U	9.8	0.60	ug/L		10/10/11 13:27	10/12/11 15:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*36 - 124*	*10/10/11 13:27*	*10/12/11 15:20*	*1*
2-Fluorophenol	*38*		*29 - 121*	*10/10/11 13:27*	*10/12/11 15:20*	*1*
Nitrobenzene-d5	*49*		*34 - 130*	*10/10/11 13:27*	*10/12/11 15:20*	*1*
Phenol-d6 (Surr)	*36*		*25 - 128*	*10/10/11 13:27*	*10/12/11 15:20*	*1*
Terphenyl-d14	*17*		*14 - 148*	*10/10/11 13:27*	*10/12/11 15:20*	*1*
2,4,6-Tribromophenol	*44*		*29 - 143*	*10/10/11 13:27*	*10/12/11 15:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.021	0.010	ug/L		10/06/11 09:33	10/06/11 15:28	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		10/06/11 09:33	10/06/11 15:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*95*		*60 - 140*	*10/06/11 09:33*	*10/06/11 15:28*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0017	U	0.048	0.0017	ug/L		10/07/11 06:47	10/07/11 14:05	1
alpha-BHC	0.0027	U	0.048	0.0027	ug/L		10/07/11 06:47	10/07/11 14:05	1
beta-BHC	0.0026	U	0.048	0.0026	ug/L		10/07/11 06:47	10/07/11 14:05	1
Chlordane (technical)	0.054	U	0.48	0.054	ug/L		10/07/11 06:47	10/07/11 14:05	1
Chlorobenzilate	0.071	U	0.48	0.071	ug/L		10/07/11 06:47	10/07/11 14:05	1
4,4'-DDD	0.0039	U	0.048	0.0039	ug/L		10/07/11 06:47	10/07/11 14:05	1
4,4'-DDE	0.0052	U	0.048	0.0052	ug/L		10/07/11 06:47	10/07/11 14:05	1
4,4'-DDT	0.0030	U	0.048	0.0030	ug/L		10/07/11 06:47	10/07/11 14:05	1
delta-BHC	0.0027	U	0.048	0.0027	ug/L		10/07/11 06:47	10/07/11 14:05	1
Dieldrin	0.0013	U	0.048	0.0013	ug/L		10/07/11 06:47	10/07/11 14:05	1
Endosulfan I	0.0032	U	0.048	0.0032	ug/L		10/07/11 06:47	10/07/11 14:05	1
Endosulfan II	0.0031	U	0.048	0.0031	ug/L		10/07/11 06:47	10/07/11 14:05	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0029	U	0.048	0.0029	ug/L		10/07/11 06:47	10/07/11 14:05	1
Endrin	0.0030	U	0.048	0.0030	ug/L		10/07/11 06:47	10/07/11 14:05	1
Endrin aldehyde	0.0030	U	0.048	0.0030	ug/L		10/07/11 06:47	10/07/11 14:05	1
gamma-BHC (Lindane)	0.0025	U	0.048	0.0025	ug/L		10/07/11 06:47	10/07/11 14:05	1
Heptachlor	0.0030	U	0.048	0.0030	ug/L		10/07/11 06:47	10/07/11 14:05	1
Heptachlor epoxide	0.0030	U	0.048	0.0030	ug/L		10/07/11 06:47	10/07/11 14:05	1
Isodrin	0.0058	U	0.048	0.0058	ug/L		10/07/11 06:47	10/07/11 14:05	1
Methoxychlor	0.0049	U	0.048	0.0049	ug/L		10/07/11 06:47	10/07/11 14:05	1
Toxaphene	0.69	U	4.8	0.69	ug/L		10/07/11 06:47	10/07/11 14:05	1
Kepone	0.079	U	0.48	0.079	ug/L		10/07/11 06:47	10/07/11 14:05	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		30 - 150	10/07/11 06:47	10/07/11 14:05	1
Tetrachloro-m-xylene	91		30 - 150	10/07/11 06:47	10/07/11 14:05	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.48	0.25	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1221	0.14	U	0.48	0.14	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1232	0.36	U	0.48	0.36	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1242	0.22	U	0.48	0.22	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1248	0.12	U	0.48	0.12	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1254	0.11	U	0.48	0.11	ug/L		10/05/11 09:02	10/07/11 17:44	1
PCB-1260	0.30	U	0.48	0.30	ug/L		10/05/11 09:02	10/07/11 17:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	46		30 - 150	10/05/11 09:02	10/07/11 17:44	1
Tetrachloro-m-xylene	84		30 - 150	10/05/11 09:02	10/07/11 17:44	1

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.30	U	1.9	0.30	ug/L		10/10/11 17:30	10/12/11 15:34	1
Disulfoton	0.11	U	1.9	0.11	ug/L		10/10/11 17:30	10/12/11 15:34	1
Famphur	0.10	U	1.9	0.10	ug/L		10/10/11 17:30	10/12/11 15:34	1
Methyl parathion	0.11	U J3	0.47	0.11	ug/L		10/10/11 17:30	10/12/11 15:34	1
Parathion	0.075	U J3	0.94	0.075	ug/L		10/10/11 17:30	10/12/11 15:34	1
Phorate	0.15	U J3	0.94	0.15	ug/L		10/10/11 17:30	10/12/11 15:34	1
Thionazin	0.058	U	0.94	0.058	ug/L		10/10/11 17:30	10/12/11 15:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	89		37 - 139	10/10/11 17:30	10/12/11 15:34	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.060	U	0.48	0.060	ug/L		10/10/11 08:16	10/13/11 07:37	1
2,4-D	0.036	U	0.48	0.036	ug/L		10/10/11 08:16	10/13/11 07:37	1
Dinoseb	0.15	U	5.8	0.15	ug/L		10/10/11 08:16	10/13/11 07:37	1
Silvex (2,4,5-TP)	0.060	U	0.48	0.060	ug/L		10/10/11 08:16	10/13/11 07:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	111		52 - 151	10/10/11 08:16	10/13/11 07:37	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-74
Date Collected: 10/04/11 10:29
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-1
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		10/07/11 12:21	10/08/11 07:56	1
Arsenic	**4.6**		2.5	1.3	ug/L		10/07/11 12:21	10/08/11 07:56	1
Barium	**17**		5.0	1.3	ug/L		10/07/11 12:21	10/08/11 07:56	1
Beryllium	0.25	U	0.50	0.25	ug/L		10/07/11 12:21	10/08/11 07:56	1
Cadmium	0.095	U	0.50	0.095	ug/L		10/07/11 12:21	10/08/11 07:56	1
Chromium	**3.4**	**I**	5.0	2.5	ug/L		10/07/11 12:21	10/08/11 07:56	1
Cobalt	**1.3**		0.50	0.15	ug/L		10/07/11 12:21	10/08/11 07:56	1
Copper	**1.8**	**I**	5.0	1.1	ug/L		10/07/11 12:21	10/08/11 07:56	1
Iron	**34000**		100	33	ug/L		10/07/11 12:21	10/08/11 07:56	1
Lead	**0.68**	**I**	1.5	0.20	ug/L		10/07/11 12:21	10/08/11 07:56	1
Nickel	**4.6**	**I V**	5.0	2.0	ug/L		10/07/11 12:21	10/08/11 07:56	1
Selenium	**1.1**	**I**	2.5	1.0	ug/L		10/07/11 12:21	10/08/11 07:56	1
Silver	0.25	U	1.0	0.25	ug/L		10/07/11 12:21	10/08/11 07:56	1
Sodium	**28**		0.50	0.25	mg/L		10/07/11 12:21	10/08/11 07:56	1
Thallium	0.50	U	1.0	0.50	ug/L		10/07/11 12:21	10/08/11 07:56	1
Tin	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 07:56	1
Vanadium	**11**		10	3.8	ug/L		10/07/11 12:21	10/08/11 07:56	1
Zinc	**17**	**I**	20	8.3	ug/L		10/07/11 12:21	10/08/11 07:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U J3	0.20	0.091	ug/L		10/07/11 08:38	10/07/11 19:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58**		1.0	0.40	mg/L			10/13/11 10:36	2
Ammonia as N	**1.9**		0.020	0.010	mg/L			10/07/11 14:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			10/05/11 11:11	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		10/11/11 08:48	10/12/11 07:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**300**		10	10	mg/L			10/05/11 13:35	1
Sulfide	1.0	U	1.0	1.0	mg/L NE			10/08/11 11:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.74**				SU			10/04/11 10:29	1
Field Temperature	**24.14**				Degrees C			10/04/11 10:29	1
Oxygen, Dissolved	**2.04**				mg/L			10/04/11 10:29	1
Specific Conductance	**497**				umhos/cm			10/04/11 10:29	1
Turbidity	**13.1**				NTU			10/04/11 10:29	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			10/06/11 14:23	1
Acetonitrile	20	U	20	20	ug/L			10/06/11 14:23	1
Acrolein	3.8	U J3	5.0	3.8	ug/L			10/06/11 14:23	1
Acrylonitrile	1.2	U	10	1.2	ug/L			10/06/11 14:23	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 14:23	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			10/06/11 14:23	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 14:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 14:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 14:23	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 14:23	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 14:23	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 14:23	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 14:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 14:23	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 14:23	1
Chloroprene	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 14:23	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 14:23	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 14:23	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 14:23	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 14:23	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 14:23	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 14:23	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 14:23	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 14:23	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 14:23	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 14:23	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 14:23	1
Iodomethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
Isobutyl alcohol	31	U	200	31	ug/L			10/06/11 14:23	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			10/06/11 14:23	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 14:23	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 14:23	1
Propionitrile	7.2	U	100	7.2	ug/L			10/06/11 14:23	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 14:23	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 14:23	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 14:23	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 14:23	1
Toluene	0.51	U	1.0	0.51	ug/L			10/06/11 14:23	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			10/06/11 14:23	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 14:23	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 14:23	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 14:23	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 14:23	1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 14:23	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 14:23	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 14:23	1
Vinyl acetate	1.5	U	10	1.5	ug/L			10/06/11 14:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 14:23	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			10/06/11 14:23	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*70 - 130*		*10/06/11 14:23*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*10/06/11 14:23*	*1*
Toluene-d8 (Surr)	*121*		*70 - 130*		*10/06/11 14:23*	*1*

Method: 8270C/LL_PAH - Low Level PAH's

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.49	U	2.0	0.49	ug/L		10/05/11 09:58	10/06/11 21:10	1
Acenaphthylene	0.25	U	0.98	0.25	ug/L		10/05/11 09:58	10/06/11 21:10	1
Anthracene	0.075	U	0.20	0.075	ug/L		10/05/11 09:58	10/06/11 21:10	1
Benzo[a]anthracene	0.049	U	0.20	0.049	ug/L		10/05/11 09:58	10/06/11 21:10	1
Benzo[a]pyrene	0.056	U	0.20	0.056	ug/L		10/05/11 09:58	10/06/11 21:10	1
Benzo[b]fluoranthene	0.049	U	0.20	0.049	ug/L		10/05/11 09:58	10/06/11 21:10	1
Benzo[g,h,i]perylene	0.098	U	0.49	0.098	ug/L		10/05/11 09:58	10/06/11 21:10	1
Benzo[k]fluoranthene	0.056	U	0.20	0.056	ug/L		10/05/11 09:58	10/06/11 21:10	1
Chrysene	0.068	U	0.20	0.068	ug/L		10/05/11 09:58	10/06/11 21:10	1
Dibenz(a,h)anthracene	0.049	U	0.20	0.049	ug/L		10/05/11 09:58	10/06/11 21:10	1
Fluoranthene	0.053	U	0.49	0.053	ug/L		10/05/11 09:58	10/06/11 21:10	1
Fluorene	0.49	U	2.0	0.49	ug/L		10/05/11 09:58	10/06/11 21:10	1
Indeno[1,2,3-cd]pyrene	0.049	U	0.20	0.049	ug/L		10/05/11 09:58	10/06/11 21:10	1
1-Methylnaphthalene	0.49	U	2.0	0.49	ug/L		10/05/11 09:58	10/06/11 21:10	1
2-Methylnaphthalene	0.49	U	2.0	0.49	ug/L		10/05/11 09:58	10/06/11 21:10	1
Naphthalene	0.25	U	2.0	0.25	ug/L		10/05/11 09:58	10/06/11 21:10	1
Phenanthrene	0.20	U	0.49	0.20	ug/L		10/05/11 09:58	10/06/11 21:10	1
Pyrene	0.087	U	0.49	0.087	ug/L		10/05/11 09:58	10/06/11 21:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*30 - 130*	*10/05/11 09:58*	*10/06/11 21:10*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Acetylaminofluorene	0.75	U	9.8	0.75	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Aminobiphenyl	0.79	U	9.8	0.79	ug/L		10/10/11 13:27	10/12/11 15:46	1
Benzyl alcohol	2.8	U	9.8	2.8	ug/L		10/10/11 13:27	10/12/11 15:46	1
Bis(2-chloroethoxy)methane	2.0	U	9.8	2.0	ug/L		10/10/11 13:27	10/12/11 15:46	1
Bis(2-chloroethyl)ether	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
bis(2 chloro-1-methylethyl) ether	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
Bis(2-ethylhexyl) phthalate	1.3	U	5.9	1.3	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Bromophenyl phenyl ether	1.7	U	9.8	1.7	ug/L		10/10/11 13:27	10/12/11 15:46	1
Butyl benzyl phthalate	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Chloroaniline	2.1	U	20	2.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Chloro-3-methylphenol	1.7	U	9.8	1.7	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Chloronaphthalene	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Chlorophenyl phenyl ether	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:46	1
Diallate	1.4	U	9.8	1.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
Dibenzofuran	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,2-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,3-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,4-Dichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4-Dichlorophenol	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,6-Dichlorophenol	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1
Diethyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
7,12-Dimethylbenz(a)anthracene	0.90	U	9.8	0.90	ug/L		10/10/11 13:27	10/12/11 15:46	1
3,3'-Dimethylbenzidine	14	U J3	20	14	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4-Dimethylphenol	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:46	1
Dimethyl phthalate	2.5	U J3	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
Di-n-butyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,3-Dinitrobenzene	0.97	U	9.8	0.97	ug/L		10/10/11 13:27	10/12/11 15:46	1
4,6-Dinitro-2-methylphenol	1.5	U	49	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4-Dinitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4-Dinitrotoluene	0.89	U	9.8	0.89	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,6-Dinitrotoluene	0.71	U	9.8	0.71	ug/L		10/10/11 13:27	10/12/11 15:46	1
Di-n-octyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
Ethyl methanesulfonate	1.3	U	9.8	1.3	ug/L		10/10/11 13:27	10/12/11 15:46	1
Hexachlorobenzene	1.7	U	3.9	1.7	ug/L		10/10/11 13:27	10/12/11 15:46	1
Hexachlorobutadiene	0.98	U	9.8	0.98	ug/L		10/10/11 13:27	10/12/11 15:46	1
Hexachlorocyclopentadiene	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
Hexachloroethane	0.83	U	9.8	0.83	ug/L		10/10/11 13:27	10/12/11 15:46	1
Hexachloropropene	0.65	U	9.8	0.65	ug/L		10/10/11 13:27	10/12/11 15:46	1
Isophorone	1.4	U	9.8	1.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
Isosafrole	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1
Methapyrilene	1.1	U	2000	1.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
3-Methylcholanthrene	0.55	U	9.8	0.55	ug/L		10/10/11 13:27	10/12/11 15:46	1
Methyl methanesulfonate	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Methylphenol	2.3	U	9.8	2.3	ug/L		10/10/11 13:27	10/12/11 15:46	1
3 & 4 Methylphenol	2.4	U	9.8	2.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,4-Naphthoquinone	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
1-Naphthylamine	0.82	U J3	9.8	0.82	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Naphthylamine	0.98	U	9.8	0.98	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
3-Nitroaniline	1.2	U	49	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
Nitrobenzene	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Nitrophenol	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
4-Nitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitro-o-toluidine	0.88	U	9.8	0.88	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosodiethylamine	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosodimethylamine	2.4	U	9.8	2.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosodi-n-butylamine	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosodi-n-propylamine	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosodiphenylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosomethylethylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosopiperidine	0.85	U	9.8	0.85	ug/L		10/10/11 13:27	10/12/11 15:46	1
N-Nitrosopyrrolidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
o,o',o''-Triethylphosphorothioate	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 15:46	1
p-Dimethylamino azobenzene	0.66	U	9.8	0.66	ug/L		10/10/11 13:27	10/12/11 15:46	1
Pentachlorobenzene	0.97	U	9.8	0.97	ug/L		10/10/11 13:27	10/12/11 15:46	1
Pentachloronitrobenzene	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		10/10/11 13:27	10/12/11 15:46	1
Phenacetin	0.82	U	9.8	0.82	ug/L		10/10/11 13:27	10/12/11 15:46	1
Phenol	2.4	U	3.9	2.4	ug/L		10/10/11 13:27	10/12/11 15:46	1
p-Phenylene diamine	3.0	U J3	2000	3.0	ug/L		10/10/11 13:27	10/12/11 15:46	1
Pronamide	0.69	U	9.8	0.69	ug/L		10/10/11 13:27	10/12/11 15:46	1
Safrole, Total	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,2,4,5-Tetrachlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,3,4,6-Tetrachlorophenol	0.64	U	9.8	0.64	ug/L		10/10/11 13:27	10/12/11 15:46	1
2-Toluidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,2,4-Trichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4,5-Trichlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 15:46	1
2,4,6-Trichlorophenol	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 15:46	1
1,3,5-Trinitrobenzene	0.60	U	9.8	0.60	ug/L		10/10/11 13:27	10/12/11 15:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*36 - 124*	*10/10/11 13:27*	*10/12/11 15:46*	*1*
2-Fluorophenol	*45*		*29 - 121*	*10/10/11 13:27*	*10/12/11 15:46*	*1*
Nitrobenzene-d5	*72*		*34 - 130*	*10/10/11 13:27*	*10/12/11 15:46*	*1*
Phenol-d6 (Surr)	*44*		*25 - 128*	*10/10/11 13:27*	*10/12/11 15:46*	*1*
Terphenyl-d14	*22*		*14 - 148*	*10/10/11 13:27*	*10/12/11 15:46*	*1*
2,4,6-Tribromophenol	*49*		*29 - 143*	*10/10/11 13:27*	*10/12/11 15:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		10/06/11 09:33	10/06/11 16:08	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		10/06/11 09:33	10/06/11 16:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*90*		*60 - 140*	*10/06/11 09:33*	*10/06/11 16:08*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0017	U	0.048	0.0017	ug/L		10/05/11 09:02	10/05/11 15:54	1
alpha-BHC	0.0027	U	0.048	0.0027	ug/L		10/05/11 09:02	10/05/11 15:54	1
beta-BHC	0.0026	U	0.048	0.0026	ug/L		10/05/11 09:02	10/05/11 15:54	1
Chlordane (technical)	0.055	U	0.48	0.055	ug/L		10/05/11 09:02	10/05/11 15:54	1
Chlorobenzilate	0.072	U	0.48	0.072	ug/L		10/05/11 09:02	10/05/11 15:54	1
4,4'-DDD	0.0039	U	0.048	0.0039	ug/L		10/05/11 09:02	10/05/11 15:54	1
4,4'-DDE	0.0053	U	0.048	0.0053	ug/L		10/05/11 09:02	10/05/11 15:54	1
4,4'-DDT	0.0031	U	0.048	0.0031	ug/L		10/05/11 09:02	10/05/11 15:54	1
delta-BHC	0.0027	U	0.048	0.0027	ug/L		10/05/11 09:02	10/05/11 15:54	1
Dieldrin	0.0013	U	0.048	0.0013	ug/L		10/05/11 09:02	10/05/11 15:54	1
Endosulfan I	0.0033	U	0.048	0.0033	ug/L		10/05/11 09:02	10/05/11 15:54	1
Endosulfan II	0.0032	U	0.048	0.0032	ug/L		10/05/11 09:02	10/05/11 15:54	1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0029	U	0.048	0.0029	ug/L		10/05/11 09:02	10/05/11 15:54	1
Endrin	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 15:54	1
Endrin aldehyde	0.0031	U	0.048	0.0031	ug/L		10/05/11 09:02	10/05/11 15:54	1
gamma-BHC (Lindane)	0.0025	U	0.048	0.0025	ug/L		10/05/11 09:02	10/05/11 15:54	1
Heptachlor	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 15:54	1
Heptachlor epoxide	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 15:54	1
Isodrin	0.0059	U	0.048	0.0059	ug/L		10/05/11 09:02	10/05/11 15:54	1
Methoxychlor	0.0049	U	0.048	0.0049	ug/L		10/05/11 09:02	10/05/11 15:54	1
Toxaphene	0.69	U	4.8	0.69	ug/L		10/05/11 09:02	10/05/11 15:54	1
Kepone	0.080	U	0.48	0.080	ug/L		10/05/11 09:02	10/05/11 15:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*30 - 150*	*10/05/11 09:02*	*10/05/11 15:54*	*1*
Tetrachloro-m-xylene	*83*		*30 - 150*	*10/05/11 09:02*	*10/05/11 15:54*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.48	0.25	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1221	0.14	U	0.48	0.14	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1232	0.37	U	0.48	0.37	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1242	0.22	U	0.48	0.22	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1248	0.13	U	0.48	0.13	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1254	0.12	U	0.48	0.12	ug/L		10/05/11 09:02	10/07/11 18:00	1
PCB-1260	0.31	U	0.48	0.31	ug/L		10/05/11 09:02	10/07/11 18:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*30 - 150*	*10/05/11 09:02*	*10/07/11 18:00*	*1*
Tetrachloro-m-xylene	*82*		*30 - 150*	*10/05/11 09:02*	*10/07/11 18:00*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.30	U	1.9	0.30	ug/L		10/10/11 17:30	10/12/11 15:50	1
Disulfoton	0.11	U	1.9	0.11	ug/L		10/10/11 17:30	10/12/11 15:50	1
Famphur	0.10	U	1.9	0.10	ug/L		10/10/11 17:30	10/12/11 15:50	1
Methyl parathion	0.11	U J3	0.47	0.11	ug/L		10/10/11 17:30	10/12/11 15:50	1
Parathion	0.075	U J3	0.94	0.075	ug/L		10/10/11 17:30	10/12/11 15:50	1
Phorate	0.15	U J3	0.94	0.15	ug/L		10/10/11 17:30	10/12/11 15:50	1
Thionazin	0.058	U	0.94	0.058	ug/L		10/10/11 17:30	10/12/11 15:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*		*37 - 139*	*10/10/11 17:30*	*10/12/11 15:50*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.062	U	0.50	0.062	ug/L		10/10/11 08:16	10/13/11 07:53	1
2,4-D	0.037	U	0.50	0.037	ug/L		10/10/11 08:16	10/13/11 07:53	1
Dinoseb	0.16	U	6.0	0.16	ug/L		10/10/11 08:16	10/13/11 07:53	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		10/10/11 08:16	10/13/11 07:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*155*	*J1*	*52 - 151*	*10/10/11 08:16*	*10/13/11 07:53*	*1*

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: TH-75
Date Collected: 10/04/11 11:23
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-2
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		10/07/11 12:21	10/08/11 08:04	1
Arsenic	**11**		2.5	1.3	ug/L		10/07/11 12:21	10/08/11 08:04	1
Barium	**16**		5.0	1.3	ug/L		10/07/11 12:21	10/08/11 08:04	1
Beryllium	0.25	U	0.50	0.25	ug/L		10/07/11 12:21	10/08/11 08:04	1
Cadmium	0.095	U	0.50	0.095	ug/L		10/07/11 12:21	10/08/11 08:04	1
Chromium	**2.9**	**I**	5.0	2.5	ug/L		10/07/11 12:21	10/08/11 08:04	1
Cobalt	**0.24**	**I**	0.50	0.15	ug/L		10/07/11 12:21	10/08/11 08:04	1
Copper	1.1	U	5.0	1.1	ug/L		10/07/11 12:21	10/08/11 08:04	1
Iron	**8100**		100	33	ug/L		10/07/11 12:21	10/08/11 08:04	1
Lead	**0.65**	**I**	1.5	0.20	ug/L		10/07/11 12:21	10/08/11 08:04	1
Nickel	**2.2**	**I V**	5.0	2.0	ug/L		10/07/11 12:21	10/08/11 08:04	1
Selenium	1.0	U	2.5	1.0	ug/L		10/07/11 12:21	10/08/11 08:04	1
Silver	0.25	U	1.0	0.25	ug/L		10/07/11 12:21	10/08/11 08:04	1
Sodium	**11**		0.50	0.25	mg/L		10/07/11 12:21	10/08/11 08:04	1
Thallium	0.50	U	1.0	0.50	ug/L		10/07/11 12:21	10/08/11 08:04	1
Tin	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 08:04	1
Vanadium	**6.2**	**I**	10	3.8	ug/L		10/07/11 12:21	10/08/11 08:04	1
Zinc	8.3	U	20	8.3	ug/L		10/07/11 12:21	10/08/11 08:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U J3	0.20	0.091	ug/L		10/07/11 08:38	10/07/11 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		0.50	0.20	mg/L			10/12/11 15:53	1
Ammonia as N	**1.1**		0.020	0.010	mg/L			10/07/11 14:17	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			10/05/11 11:12	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		10/11/11 08:48	10/12/11 07:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**150**		10	10	mg/L			10/05/11 13:35	1
Sulfide	1.0	U	1.0	1.0	mg/L			10/08/11 11:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.62**				SU			10/04/11 11:23	1
Field Temperature	**24.35**				Degrees C			10/04/11 11:23	1
Oxygen, Dissolved	**1.84**				mg/L			10/04/11 11:23	1
Specific Conductance	**309**				umhos/cm			10/04/11 11:23	1
Turbidity	**15.3**				NTU			10/04/11 11:23	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			10/06/11 11:40	1
Acetonitrile	20	U	20	20	ug/L			10/06/11 11:40	1
Acrolein	3.8	U J3	5.0	3.8	ug/L			10/06/11 11:40	1
Acrylonitrile	1.2	U	10	1.2	ug/L			10/06/11 11:40	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 11:40	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			10/06/11 11:40	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 11:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 11:40	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 11:40	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 11:40	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 11:40	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 11:40	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 11:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 11:40	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 11:40	1
Chloroprene	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 11:40	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 11:40	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 11:40	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 11:40	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 11:40	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 11:40	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 11:40	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 11:40	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 11:40	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 11:40	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 11:40	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 11:40	1
Iodomethane	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
Isobutyl alcohol	31	U	200	31	ug/L			10/06/11 11:40	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			10/06/11 11:40	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 11:40	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 11:40	1
Propionitrile	7.2	U	100	7.2	ug/L			10/06/11 11:40	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 11:40	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 11:40	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 11:40	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 11:40	1
Toluene	0.51	U	1.0	0.51	ug/L			10/06/11 11:40	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			10/06/11 11:40	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 11:40	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 11:40	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 11:40	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 11:40	1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 11:40	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 11:40	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 11:40	1
Vinyl acetate	1.5	U	10	1.5	ug/L			10/06/11 11:40	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 11:40	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			10/06/11 11:40	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*10/06/11 11:40*	*1*
Dibromofluoromethane	*107*		*70 - 130*		*10/06/11 11:40*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*10/06/11 11:40*	*1*

Method: 8270C/LL_PAH - Low Level PAH's

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 21:29	1
Acenaphthylene	0.25	U	1.0	0.25	ug/L		10/05/11 09:58	10/06/11 21:29	1
Anthracene	0.076	U	0.20	0.076	ug/L		10/05/11 09:58	10/06/11 21:29	1
Benzo[a]anthracene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 21:29	1
Benzo[a]pyrene	0.057	U	0.20	0.057	ug/L		10/05/11 09:58	10/06/11 21:29	1
Benzo[b]fluoranthene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 21:29	1
Benzo[g,h,i]perylene	0.10	U	0.50	0.10	ug/L		10/05/11 09:58	10/06/11 21:29	1
Benzo[k]fluoranthene	0.057	U	0.20	0.057	ug/L		10/05/11 09:58	10/06/11 21:29	1
Chrysene	0.069	U	0.20	0.069	ug/L		10/05/11 09:58	10/06/11 21:29	1
Dibenz(a,h)anthracene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 21:29	1
Fluoranthene	0.054	U	0.50	0.054	ug/L		10/05/11 09:58	10/06/11 21:29	1
Fluorene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 21:29	1
Indeno[1,2,3-cd]pyrene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 21:29	1
1-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 21:29	1
2-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 21:29	1
Naphthalene	0.25	U	2.0	0.25	ug/L		10/05/11 09:58	10/06/11 21:29	1
Phenanthrene	0.20	U	0.50	0.20	ug/L		10/05/11 09:58	10/06/11 21:29	1
Pyrene	0.089	U	0.50	0.089	ug/L		10/05/11 09:58	10/06/11 21:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*30 - 130*	*10/05/11 09:58*	*10/06/11 21:29*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Acetylaminofluorene	0.75	U	9.8	0.75	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Aminobiphenyl	0.79	U	9.8	0.79	ug/L		10/10/11 13:27	10/12/11 16:12	1
Benzyl alcohol	2.8	U	9.8	2.8	ug/L		10/10/11 13:27	10/12/11 16:12	1
Bis(2-chloroethoxy)methane	2.0	U	9.8	2.0	ug/L		10/10/11 13:27	10/12/11 16:12	1
Bis(2-chloroethyl)ether	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
bis(2 chloro-1-methylethyl) ether	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
Bis(2-ethylhexyl) phthalate	1.3	U	5.9	1.3	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Bromophenyl phenyl ether	1.7	U	9.8	1.7	ug/L		10/10/11 13:27	10/12/11 16:12	1
Butyl benzyl phthalate	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Chloroaniline	2.1	U	20	2.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Chloro-3-methylphenol	1.7	U	9.8	1.7	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Chloronaphthalene	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Chlorophenyl phenyl ether	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 16:12	1
Diallate	1.4	U	9.8	1.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
Dibenzofuran	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,2-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,3-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,4-Dichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4-Dichlorophenol	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,6-Dichlorophenol	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1
Diethyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
7,12-Dimethylbenz(a)anthracene	0.90	U	9.8	0.90	ug/L		10/10/11 13:27	10/12/11 16:12	1
3,3'-Dimethylbenzidine	14	U	20	14	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4-Dimethylphenol	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 16:12	1
Dimethyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
Di-n-butyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,3-Dinitrobenzene	0.97	U	9.8	0.97	ug/L		10/10/11 13:27	10/12/11 16:12	1
4,6-Dinitro-2-methylphenol	1.5	U	49	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4-Dinitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4-Dinitrotoluene	0.89	U	9.8	0.89	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,6-Dinitrotoluene	0.71	U	9.8	0.71	ug/L		10/10/11 13:27	10/12/11 16:12	1
Di-n-octyl phthalate	2.5	U	9.8	2.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
Ethyl methanesulfonate	1.3	U	9.8	1.3	ug/L		10/10/11 13:27	10/12/11 16:12	1
Hexachlorobenzene	1.7	U	3.9	1.7	ug/L		10/10/11 13:27	10/12/11 16:12	1
Hexachlorobutadiene	0.98	U	9.8	0.98	ug/L		10/10/11 13:27	10/12/11 16:12	1
Hexachlorocyclopentadiene	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
Hexachloroethane	0.83	U	9.8	0.83	ug/L		10/10/11 13:27	10/12/11 16:12	1
Hexachloropropene	0.65	U	9.8	0.65	ug/L		10/10/11 13:27	10/12/11 16:12	1
Isophorone	1.4	U	9.8	1.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
Isosafrole	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1
Methapyrilene	1.1	U	2000	1.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
3-Methylcholanthrene	0.55	U	9.8	0.55	ug/L		10/10/11 13:27	10/12/11 16:12	1
Methyl methanesulfonate	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Methylphenol	2.3	U	9.8	2.3	ug/L		10/10/11 13:27	10/12/11 16:12	1
3 & 4 Methylphenol	2.4	U	9.8	2.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,4-Naphthoquinone	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
1-Naphthylamine	0.82	U	9.8	0.82	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Naphthylamine	0.98	U	9.8	0.98	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
3-Nitroaniline	1.2	U	49	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Nitroaniline	1.4	U	49	1.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
Nitrobenzene	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Nitrophenol	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
4-Nitrophenol	6.1	U	49	6.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitro-o-toluidine	0.88	U	9.8	0.88	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosodiethylamine	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosodimethylamine	2.4	U	9.8	2.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosodi-n-butylamine	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosodi-n-propylamine	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosodiphenylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosomethylethylamine	1.6	U	9.8	1.6	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosopiperidine	0.85	U	9.8	0.85	ug/L		10/10/11 13:27	10/12/11 16:12	1
N-Nitrosopyrrolidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
o,o',o''-Triethylphosphorothioate	1.8	U	9.8	1.8	ug/L		10/10/11 13:27	10/12/11 16:12	1
p-Dimethylamino azobenzene	0.66	U	9.8	0.66	ug/L		10/10/11 13:27	10/12/11 16:12	1
Pentachlorobenzene	0.97	U	9.8	0.97	ug/L		10/10/11 13:27	10/12/11 16:12	1
Pentachloronitrobenzene	1.5	U	9.8	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		10/10/11 13:27	10/12/11 16:12	1
Phenacetin	0.82	U	9.8	0.82	ug/L		10/10/11 13:27	10/12/11 16:12	1
Phenol	2.4	U	3.9	2.4	ug/L		10/10/11 13:27	10/12/11 16:12	1
p-Phenylene diamine	3.0	U J3	2000	3.0	ug/L		10/10/11 13:27	10/12/11 16:12	1
Pronamide	0.69	U	9.8	0.69	ug/L		10/10/11 13:27	10/12/11 16:12	1
Safrole, Total	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,2,4,5-Tetrachlorobenzene	1.1	U	9.8	1.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,3,4,6-Tetrachlorophenol	0.64	U	9.8	0.64	ug/L		10/10/11 13:27	10/12/11 16:12	1
2-Toluidine	1.2	U	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,2,4-Trichlorobenzene	1.2	U J3	9.8	1.2	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4,5-Trichlorophenol	2.1	U	9.8	2.1	ug/L		10/10/11 13:27	10/12/11 16:12	1
2,4,6-Trichlorophenol	1.9	U	9.8	1.9	ug/L		10/10/11 13:27	10/12/11 16:12	1
1,3,5-Trinitrobenzene	0.60	U	9.8	0.60	ug/L		10/10/11 13:27	10/12/11 16:12	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*36 - 124*	*10/10/11 13:27*	*10/12/11 16:12*	*1*
2-Fluorophenol	*43*		*29 - 121*	*10/10/11 13:27*	*10/12/11 16:12*	*1*
Nitrobenzene-d5	*60*		*34 - 130*	*10/10/11 13:27*	*10/12/11 16:12*	*1*
Phenol-d6 (Surr)	*37*		*25 - 128*	*10/10/11 13:27*	*10/12/11 16:12*	*1*
Terphenyl-d14	*56*		*14 - 148*	*10/10/11 13:27*	*10/12/11 16:12*	*1*
2,4,6-Tribromophenol	*57*		*29 - 143*	*10/10/11 13:27*	*10/12/11 16:12*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		10/06/11 09:33	10/06/11 17:49	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		10/06/11 09:33	10/06/11 17:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*60 - 140*	*10/06/11 09:33*	*10/06/11 17:49*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0017	U	0.048	0.0017	ug/L		10/05/11 09:02	10/05/11 16:08	1
alpha-BHC	0.0027	U	0.048	0.0027	ug/L		10/05/11 09:02	10/05/11 16:08	1
beta-BHC	0.0026	U	0.048	0.0026	ug/L		10/05/11 09:02	10/05/11 16:08	1
Chlordane (technical)	0.055	U	0.48	0.055	ug/L		10/05/11 09:02	10/05/11 16:08	1
Chlorobenzilate	0.072	U	0.48	0.072	ug/L		10/05/11 09:02	10/05/11 16:08	1
4,4'-DDD	0.0039	U	0.048	0.0039	ug/L		10/05/11 09:02	10/05/11 16:08	1
4,4'-DDE	0.0053	U	0.048	0.0053	ug/L		10/05/11 09:02	10/05/11 16:08	1
4,4'-DDT	0.0031	U	0.048	0.0031	ug/L		10/05/11 09:02	10/05/11 16:08	1
delta-BHC	0.0027	U	0.048	0.0027	ug/L		10/05/11 09:02	10/05/11 16:08	1
Dieldrin	0.0013	U	0.048	0.0013	ug/L		10/05/11 09:02	10/05/11 16:08	1
Endosulfan I	0.0033	U	0.048	0.0033	ug/L		10/05/11 09:02	10/05/11 16:08	1
Endosulfan II	0.0032	U	0.048	0.0032	ug/L		10/05/11 09:02	10/05/11 16:08	1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0029	U	0.048	0.0029	ug/L		10/05/11 09:02	10/05/11 16:08	1
Endrin	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 16:08	1
Endrin aldehyde	0.0031	U	0.048	0.0031	ug/L		10/05/11 09:02	10/05/11 16:08	1
gamma-BHC (Lindane)	0.0025	U	0.048	0.0025	ug/L		10/05/11 09:02	10/05/11 16:08	1
Heptachlor	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 16:08	1
Heptachlor epoxide	0.0030	U	0.048	0.0030	ug/L		10/05/11 09:02	10/05/11 16:08	1
Isodrin	0.0059	U	0.048	0.0059	ug/L		10/05/11 09:02	10/05/11 16:08	1
Methoxychlor	0.0049	U	0.048	0.0049	ug/L		10/05/11 09:02	10/05/11 16:08	1
Toxaphene	0.69	U	4.8	0.69	ug/L		10/05/11 09:02	10/05/11 16:08	1
Kepone	0.080	U	0.48	0.080	ug/L		10/05/11 09:02	10/05/11 16:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*30 - 150*	*10/05/11 09:02*	*10/05/11 16:08*	*1*
Tetrachloro-m-xylene	*80*		*30 - 150*	*10/05/11 09:02*	*10/05/11 16:08*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.48	0.25	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1221	0.14	U	0.48	0.14	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1232	0.37	U	0.48	0.37	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1242	0.22	U	0.48	0.22	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1248	0.13	U	0.48	0.13	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1254	0.12	U	0.48	0.12	ug/L		10/05/11 09:02	10/07/11 18:15	1
PCB-1260	0.31	U	0.48	0.31	ug/L		10/05/11 09:02	10/07/11 18:15	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*30 - 150*	*10/05/11 09:02*	*10/07/11 18:15*	*1*
Tetrachloro-m-xylene	*95*		*30 - 150*	*10/05/11 09:02*	*10/07/11 18:15*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		10/10/11 17:30	10/12/11 16:05	1
Disulfoton	0.12	U	2.0	0.12	ug/L		10/10/11 17:30	10/12/11 16:05	1
Famphur	0.11	U	2.0	0.11	ug/L		10/10/11 17:30	10/12/11 16:05	1
Methyl parathion	0.12	U J3	0.50	0.12	ug/L		10/10/11 17:30	10/12/11 16:05	1
Parathion	0.080	U J3	1.0	0.080	ug/L		10/10/11 17:30	10/12/11 16:05	1
Phorate	0.16	U J3	1.0	0.16	ug/L		10/10/11 17:30	10/12/11 16:05	1
Thionazin	0.061	U	1.0	0.061	ug/L		10/10/11 17:30	10/12/11 16:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*109*		*37 - 139*	*10/10/11 17:30*	*10/12/11 16:05*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.063	U	0.51	0.063	ug/L		10/10/11 08:16	10/13/11 08:09	1
2,4-D	0.038	U	0.51	0.038	ug/L		10/10/11 08:16	10/13/11 08:09	1
Dinoseb	0.16	U	6.1	0.16	ug/L		10/10/11 08:16	10/13/11 08:09	1
Silvex (2,4,5-TP)	0.063	U	0.51	0.063	ug/L		10/10/11 08:16	10/13/11 08:09	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*52 - 151*	*10/10/11 08:16*	*10/13/11 08:09*	*1*

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Equipment
Date Collected: 10/04/11 10:02
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-3
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		10/07/11 12:21	10/08/11 08:11	1
Arsenic	1.3	U	2.5	1.3	ug/L		10/07/11 12:21	10/08/11 08:11	1
Barium	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 08:11	1
Beryllium	0.25	U	0.50	0.25	ug/L		10/07/11 12:21	10/08/11 08:11	1
Cadmium	0.095	U	0.50	0.095	ug/L		10/07/11 12:21	10/08/11 08:11	1
Chromium	2.5	U	5.0	2.5	ug/L		10/07/11 12:21	10/08/11 08:11	1
Cobalt	0.15	U	0.50	0.15	ug/L		10/07/11 12:21	10/08/11 08:11	1
Copper	1.1	U	5.0	1.1	ug/L		10/07/11 12:21	10/08/11 08:11	1
Iron	33	U	100	33	ug/L		10/07/11 12:21	10/08/11 08:11	1
Lead	0.20	U	1.5	0.20	ug/L		10/07/11 12:21	10/08/11 08:11	1
Nickel	**2.2**	**I V**	5.0	2.0	ug/L		10/07/11 12:21	10/08/11 08:11	1
Selenium	1.0	U	2.5	1.0	ug/L		10/07/11 12:21	10/08/11 08:11	1
Silver	0.25	U	1.0	0.25	ug/L		10/07/11 12:21	10/08/11 08:11	1
Sodium	**0.61**		0.50	0.25	mg/L		10/07/11 12:21	10/08/11 08:11	1
Thallium	0.50	U	1.0	0.50	ug/L		10/07/11 12:21	10/08/11 08:11	1
Tin	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 08:11	1
Vanadium	3.8	U	10	3.8	ug/L		10/07/11 12:21	10/08/11 08:11	1
Zinc	**22**		20	8.3	ug/L		10/07/11 12:21	10/08/11 08:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U J3	0.20	0.091	ug/L		10/07/11 08:38	10/07/11 18:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			10/12/11 16:08	1
Ammonia as N	**0.051**		0.020	0.010	mg/L			10/07/11 14:21	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			10/05/11 11:13	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		10/11/11 08:48	10/12/11 07:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			10/05/11 13:35	1
Sulfide	1.0	U	1.0	1.0	mg/L			10/08/11 11:20	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Travel
Date Collected: 10/04/11 10:00
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			10/06/11 12:00	1
Acetonitrile	20	U	20	20	ug/L			10/06/11 12:00	1
Acrolein	3.8	U J3	5.0	3.8	ug/L			10/06/11 12:00	1
Acrylonitrile	1.2	U	10	1.2	ug/L			10/06/11 12:00	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 12:00	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			10/06/11 12:00	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 12:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 12:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 12:00	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 12:00	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 12:00	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 12:00	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 12:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 12:00	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 12:00	1
Chloroprene	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 12:00	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 12:00	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 12:00	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 12:00	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 12:00	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 12:00	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 12:00	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 12:00	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 12:00	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 12:00	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 12:00	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 12:00	1
Iodomethane	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
Isobutyl alcohol	31	U	200	31	ug/L			10/06/11 12:00	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			10/06/11 12:00	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 12:00	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 12:00	1
Propionitrile	7.2	U	100	7.2	ug/L			10/06/11 12:00	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 12:00	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 12:00	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 12:00	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 12:00	1
Toluene	0.51	U	1.0	0.51	ug/L			10/06/11 12:00	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			10/06/11 12:00	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 12:00	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 12:00	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 12:00	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 12:00	1

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Travel
Date Collected: 10/04/11 10:00
Date Received: 10/04/11 14:30

Lab Sample ID: 660-43901-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 12:00	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 12:00	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 12:00	1
Vinyl acetate	1.5	U	10	1.5	ug/L			10/06/11 12:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 12:00	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			10/06/11 12:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*10/06/11 12:00*	*1*
Dibromofluoromethane	*107*		*70 - 130*		*10/06/11 12:00*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*10/06/11 12:00*	*1*

Surrogate Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43900-B-1 MS	Matrix Spike	99	94	101
660-43900-D-2 DU	Duplicate	102	110	107
660-43901-1	TH-74	105	103	114
660-43901-2	TH-75	113	94	121
660-43901-3	Blank, Equipment	105	107	113
660-43901-4	Blank, Travel	100	107	106
LCS 660-115932/2	Lab Control Sample	100	98	101
MB 660-115932/4	Method Blank	101	111	107

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(36-124)	(29-121)	(34-130)	(25-128)	(14-148)	(29-143)
660-43901-1	TH-74	56	38	49	36	17	44
660-43901-2	TH-75	64	45	72	44	22	49
660-43901-2 MS	TH-75	60	45	67	43	31	50
660-43901-3	Blank, Equipment	57	43	60	37	56	57
660-43968-H-1-B DU	Duplicate	60	43	65	42	14	49
LCS 660-116073/2-A	Lab Control Sample	54	43	55	40	62	62
MB 660-116073/1-A	Method Blank	61	56	63	54	66	61

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d6 (Surr)
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270C/LL_PAH - Low Level PAH's

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(30-130)
660-43889-E-3-A MS	Matrix Spike	57
660-43889-G-2-A DU	Duplicate	58
660-43901-1	TH-74	44
660-43901-2	TH-75	50
660-43901-3	Blank, Equipment	99
LCS 660-115881/2-A	Lab Control Sample	69
MB 660-115881/1-A	Method Blank	83

Surrogate Legend

OTPH = o-Terphenyl

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCEA2 (60-140)
660-43901-1	TH-74	95
660-43901-3	Blank, Equipment	106

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCEA1 (60-140)
660-43901-1 MS	TH-74	86
660-43901-2	TH-75	90
660-43901-2 DU	TH-75	74
LCS 660-115931/2-A	Lab Control Sample	90
MB 660-115931/1-A	Method Blank	91

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (30-150)	TCX2 (30-150)
660-43782-M-2-A DU	Duplicate	67	91
660-43886-C-1-B MS	Matrix Spike	87	93
660-43901-1	TH-74	67	91
660-43901-2	TH-75	64	83
660-43901-2 DU	TH-75	66	84
660-43901-3	Blank, Equipment	80	80
LCS 660-115876/2-A	Lab Control Sample	90	82
LCS 660-115976/2-A	Lab Control Sample	101	79
MB 660-115876/1-A	Method Blank	103	89
MB 660-115976/1-A	Method Blank	110	84

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (30-150)	TCX2 (30-150)
660-43901-1	TH-74	46	84
660-43901-1 MS	TH-74	65	90
660-43901-2	TH-75	62	82
660-43901-2 DU	TH-75	61	87

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (30-150)	TCX2 (30-150)
660-43901-3	Blank, Equipment	85	95
MB 660-115876/1-A	Method Blank	93	95

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (30-150)	TCX2 (30-150)
LCS 660-115876/4-A	Lab Control Sample	71	85

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8141A - Organophosphorous Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPP2 (37-139)
560-28450-P-1-A MS	Matrix Spike	108
560-28450-P-1-B MSD	Matrix Spike Duplicate	95
660-43901-1	TH-74	89
660-43901-2	TH-75	95
660-43901-3	Blank, Equipment	109
LCS 640-85863/6-A	Lab Control Sample	105
LCSD 640-85863/7-A	Lab Control Sample Dup	116

Surrogate Legend

TPP = Triphenylphosphate

Method: 8141A - Organophosphorous Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPP1 (37-139)
MB 640-85863/1-A	Method Blank	95

Surrogate Legend

TPP = Triphenylphosphate

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: 8151A - Herbicides (GC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	DCPA1 (52-151)	DCPA2 (52-151)
660-43901-1	TH-74	111	181 J1
660-43901-2	TH-75	118	155 J1
660-43901-3	Blank, Equipment	83	160 J1
LCS 680-217131/20-A	Lab Control Sample	93	185 J1
MB 680-217131/19-A	Method Blank	88	158 J1

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water — **Prep Type: TCLP**

Lab Sample ID	Client Sample ID	DCPA1 (52-151)	DCPA2 (52-151)
680-72624-A-1-J MS	Matrix Spike	87	171 J1
680-72624-A-1-K MSD	Matrix Spike Duplicate	123	205 J1

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-115932/4
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/06/11 08:09	1
Acetonitrile	20	U	20	20	ug/L			10/06/11 08:09	1
Acrolein	3.8	U	5.0	3.8	ug/L			10/06/11 08:09	1
Acrylonitrile	1.2	U	10	1.2	ug/L			10/06/11 08:09	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			10/06/11 08:09	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 08:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 08:09	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 08:09	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:09	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 08:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 08:09	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 08:09	1
Chloroprene	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 08:09	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:09	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 08:09	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 08:09	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 08:09	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 08:09	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 08:09	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 08:09	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 08:09	1
Iodomethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
Isobutyl alcohol	31	U	200	31	ug/L			10/06/11 08:09	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			10/06/11 08:09	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 08:09	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 08:09	1
Propionitrile	7.2	U	100	7.2	ug/L			10/06/11 08:09	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 08:09	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 08:09	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 08:09	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Toluene	0.51	U	1.0	0.51	ug/L			10/06/11 08:09	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			10/06/11 08:09	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:09	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 08:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-115932/4
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 08:09	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 08:09	1
Vinyl acetate	1.5	U	10	1.5	ug/L			10/06/11 08:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			10/06/11 08:09	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*10/06/11 08:09*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*10/06/11 08:09*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*10/06/11 08:09*	*1*

Lab Sample ID: LCS 660-115932/2
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	76.4	J3	ug/L		191	62 - 142
Acetonitrile	400	426		ug/L		107	70 - 130
Acrolein	100	323	J3	ug/L		323	54 - 145
Acrylonitrile	40.0	39.5		ug/L		99	59 - 146
Allyl chloride	40.0	44.8		ug/L		112	70 - 130
Benzene	20.0	19.4		ug/L		97	68 - 134
Bromodichloromethane	20.0	19.8		ug/L		99	70 - 130
Bromoform	20.0	19.4		ug/L		97	65 - 130
Bromomethane	20.0	23.9		ug/L		120	22 - 150
2-Butanone (MEK)	40.0	46.8		ug/L		117	63 - 140
Carbon disulfide	40.0	46.1		ug/L		115	30 - 150
Carbon tetrachloride	20.0	19.8		ug/L		99	61 - 134
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130
Chlorobromomethane	20.0	19.9		ug/L		100	70 - 130
Chlorodibromomethane	20.0	19.5		ug/L		97	70 - 130
Chloroethane	20.0	19.6		ug/L		98	39 - 150
Chloroform	20.0	22.0		ug/L		110	68 - 130
Chloromethane	20.0	20.8		ug/L		104	35 - 150
Chloroprene	20.0	20.7		ug/L		104	70 - 130
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	66 - 130
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	70 - 130
Dibromomethane	20.0	20.5		ug/L		103	70 - 130
Dichlorodifluoromethane	20.0	22.3		ug/L		111	16 - 149
1,1-Dichloroethane	20.0	20.4		ug/L		102	66 - 130
1,2-Dichloroethane	20.0	20.5		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	20.0		ug/L		100	51 - 150
1,2-Dichloropropane	20.0	19.9		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
2,2-Dichloropropane	20.0	19.9		ug/L		100	66 - 134
1,1-Dichloropropene	20.0	19.2		ug/L		96	65 - 136
Ethylbenzene	20.0	20.0		ug/L		100	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-115932/2
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ethyl methacrylate	40.0	43.1		ug/L		108	70 - 130
2-Hexanone	40.0	50.0		ug/L		125	60 - 148
Iodomethane	40.0	47.3		ug/L		118	70 - 130
Isobutyl alcohol	400	397		ug/L		99	70 - 130
Methacrylonitrile	40.0	38.6		ug/L		97	70 - 130
Methylene Chloride	20.0	20.8		ug/L		104	57 - 130
Methyl methacrylate	40.0	43.7		ug/L		109	70 - 130
4-Methyl-2-pentanone (MIBK)	40.0	42.2		ug/L		106	64 - 137
Propionitrile	40.0	40.6	I	ug/L		101	70 - 130
Styrene	20.0	20.8		ug/L		104	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	50 - 143
Toluene	20.0	20.2		ug/L		101	70 - 131
trans-1,4-Dichloro-2-butene	40.0	39.9		ug/L		100	70 - 130
trans-1,2-Dichloroethene	20.0	19.9		ug/L		99	62 - 139
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 130
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	63 - 132
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	70 - 130
Trichloroethene	20.0	19.3		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	22.0		ug/L		110	62 - 146
1,2,3-Trichloropropane	20.0	19.9		ug/L		100	66 - 130
Vinyl acetate	20.0	22.3		ug/L		111	31 - 146
Vinyl chloride	20.0	21.6		ug/L		108	48 - 147

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-43900-B-1 MS
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U J3	40.0	48.4		ug/L		121	62 - 142
Acetonitrile	20	U	400	412		ug/L		103	70 - 130
Acrolein	3.8	U J3	100	302	J3	ug/L		302	54 - 145
Acrylonitrile	1.2	U	40.0	40.4		ug/L		101	59 - 146
Allyl chloride	2.5	U	40.0	41.5		ug/L		104	70 - 130
Benzene	0.50	U	20.0	18.6		ug/L		93	68 - 134
Bromodichloromethane	0.35	U	20.0	21.4		ug/L		107	70 - 130
Bromoform	0.58	U	20.0	19.3		ug/L		96	65 - 130
Bromomethane	2.5	U	20.0	20.5		ug/L		102	22 - 150
2-Butanone (MEK)	8.4	U	40.0	44.6		ug/L		112	63 - 140
Carbon disulfide	1.0	U	40.0	53.2		ug/L		133	30 - 150
Carbon tetrachloride	0.42	U	20.0	19.0		ug/L		95	61 - 134
Chlorobenzene	0.63	U	20.0	19.9		ug/L		100	70 - 130
Chlorobromomethane	0.58	U	20.0	18.7		ug/L		94	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43900-B-1 MS
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorodibromomethane	0.34	U	20.0	20.4		ug/L		102	70 - 130
Chloroethane	2.5	U	20.0	18.4		ug/L		92	39 - 150
Chloroform	0.90	U	20.0	19.9		ug/L		99	68 - 130
Chloromethane	1.0	U	20.0	18.0		ug/L		90	35 - 150
Chloroprene	2.5	U	20.0	17.3		ug/L		86	70 - 130
cis-1,2-Dichloroethene	0.65	U	20.0	18.9		ug/L		94	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	21.0		ug/L		105	70 - 130
Dibromomethane	0.41	U	20.0	20.8		ug/L		104	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.2		ug/L		66	16 - 149
1,1-Dichloroethane	0.52	U	20.0	18.2		ug/L		91	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.7		ug/L		99	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.3		ug/L		87	51 - 150
1,2-Dichloropropane	0.52	U	20.0	21.1		ug/L		105	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.6		ug/L		108	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.6		ug/L		93	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.8		ug/L		89	65 - 136
Ethylbenzene	0.44	U	20.0	19.0		ug/L		95	70 - 130
Ethyl methacrylate	2.5	U	40.0	45.7		ug/L		114	70 - 130
2-Hexanone	4.4	U	40.0	51.5		ug/L		129	60 - 148
Iodomethane	2.5	U	40.0	43.9		ug/L		110	70 - 130
Isobutyl alcohol	31	U	400	384		ug/L		96	70 - 130
Methacrylonitrile	1.8	U	40.0	42.2		ug/L		106	70 - 130
Methylene Chloride	4.0	U	20.0	18.8		ug/L		94	57 - 130
Methyl methacrylate	2.5	U	40.0	45.4		ug/L		113	70 - 130
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	48.8		ug/L		122	64 - 137
Propionitrile	7.2	U	40.0	38.9	I	ug/L		97	70 - 130
Styrene	0.98	U	20.0	15.6		ug/L		78	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.3		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.8		ug/L		104	70 - 130
Tetrachloroethene	0.50	U	20.0	18.6		ug/L		93	50 - 143
Toluene	0.51	U	20.0	20.2		ug/L		101	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	41.1		ug/L		103	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.5		ug/L		87	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	20.3		ug/L		102	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.0		ug/L		90	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.9		ug/L		110	70 - 130
Trichloroethene	0.50	U	20.0	19.3		ug/L		97	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.3		ug/L		97	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.7		ug/L		103	66 - 130
Vinyl acetate	1.5	U	20.0	24.1		ug/L		120	31 - 146
Vinyl chloride	0.50	U	20.0	18.3		ug/L		91	48 - 147

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43900-D-2 DU
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	20	J3	21.5	J3	ug/L		6	30
Acetonitrile	20	U	20	U	ug/L		NC	30
Acrolein	3.8	U J3	3.8	U J3	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30
Allyl chloride	2.5	U	2.5	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromodichloromethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	8.4	U	8.4	U	ug/L		NC	30
Carbon disulfide	1.0	U	1.0	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
Chloroprene	2.5	U	2.5	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.65	U	0.65	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
Dichlorodifluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,1-Dichloroethane	15		15.5		ug/L		6	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30
1,1-Dichloroethene	0.45	U	0.45	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
1,3-Dichloropropane	0.39	U	0.39	U	ug/L		NC	30
2,2-Dichloropropane	0.36	U	0.36	U	ug/L		NC	30
1,1-Dichloropropene	0.31	U	0.31	U	ug/L		NC	30
Ethylbenzene	0.44	U	0.44	U	ug/L		NC	30
Ethyl methacrylate	2.5	U	2.5	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
Isobutyl alcohol	31	U	31	U	ug/L		NC	30
Methacrylonitrile	1.8	U	1.8	U	ug/L		NC	30
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30
Methyl methacrylate	2.5	U	2.5	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	U	ug/L		NC	30
Propionitrile	7.2	U	7.2	U	ug/L		NC	30
Styrene	0.98	U	0.98	U	ug/L		NC	30
1,1,1,2-Tetrachloroethane	0.63	U	0.63	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.44	U	0.44	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43900-D-2 DU
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
Vinyl acetate	1.5	U	1.5	U	ug/L		NC	30
Vinyl chloride	0.50	U	0.50	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-116073/1-A
Matrix: Water
Analysis Batch: 116419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	10	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Acetylaminofluorene	0.77	U	10	0.77	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Aminobiphenyl	0.81	U	10	0.81	ug/L		10/10/11 13:27	10/12/11 14:29	1
Benzyl alcohol	2.9	U	10	2.9	ug/L		10/10/11 13:27	10/12/11 14:29	1
Bis(2-chloroethoxy)methane	2.0	U	10	2.0	ug/L		10/10/11 13:27	10/12/11 14:29	1
Bis(2-chloroethyl)ether	2.6	U	10	2.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
bis(2 chloro-1-methylethyl) ether	2.1	U	10	2.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
Bis(2-ethylhexyl) phthalate	1.3	U	6.0	1.3	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Bromophenyl phenyl ether	1.7	U	10	1.7	ug/L		10/10/11 13:27	10/12/11 14:29	1
Butyl benzyl phthalate	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Chloroaniline	2.1	U	20	2.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Chloro-3-methylphenol	1.7	U	10	1.7	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Chloronaphthalene	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Chlorophenol	2.1	U	10	2.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Chlorophenyl phenyl ether	1.8	U	10	1.8	ug/L		10/10/11 13:27	10/12/11 14:29	1
Diallate	1.4	U	10	1.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
Dibenzofuran	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,2-Dichlorobenzene	1.1	U	10	1.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,3-Dichlorobenzene	1.1	U	10	1.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,4-Dichlorobenzene	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4-Dichlorophenol	1.8	U	10	1.8	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,6-Dichlorophenol	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
Diethyl phthalate	2.5	U	10	2.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
7,12-Dimethylbenz(a)anthracene	0.92	U	10	0.92	ug/L		10/10/11 13:27	10/12/11 14:29	1
3,3'-Dimethylbenzidine	14	U	20	14	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4-Dimethylphenol	1.8	U	10	1.8	ug/L		10/10/11 13:27	10/12/11 14:29	1
Dimethyl phthalate	2.5	U	10	2.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
Di-n-butyl phthalate	2.5	U	10	2.5	ug/L		10/10/11 13:27	10/12/11 14:29	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-116073/1-A
Matrix: Water
Analysis Batch: 116226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dinitrobenzene	0.99	U	10	0.99	ug/L		10/10/11 13:27	10/12/11 14:29	1
4,6-Dinitro-2-methylphenol	1.5	U	50	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4-Dinitrophenol	6.2	U	50	6.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4-Dinitrotoluene	0.91	U	10	0.91	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,6-Dinitrotoluene	0.72	U	10	0.72	ug/L		10/10/11 13:27	10/12/11 14:29	1
Di-n-octyl phthalate	2.5	U	10	2.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
Ethyl methanesulfonate	1.3	U	10	1.3	ug/L		10/10/11 13:27	10/12/11 14:29	1
Hexachlorobenzene	1.7	U	4.0	1.7	ug/L		10/10/11 13:27	10/12/11 14:29	1
Hexachlorobutadiene	1.0	U	10	1.0	ug/L		10/10/11 13:27	10/12/11 14:29	1
Hexachlorocyclopentadiene	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
Hexachloroethane	0.85	U	10	0.85	ug/L		10/10/11 13:27	10/12/11 14:29	1
Hexachloropropene	0.66	U	10	0.66	ug/L		10/10/11 13:27	10/12/11 14:29	1
Isophorone	1.4	U	10	1.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
Isosafrole	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
Methapyrilene	1.1	U	2000	1.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
3-Methylcholanthrene	0.56	U	10	0.56	ug/L		10/10/11 13:27	10/12/11 14:29	1
Methyl methanesulfonate	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Methylphenol	2.3	U	10	2.3	ug/L		10/10/11 13:27	10/12/11 14:29	1
3 & 4 Methylphenol	2.4	U	10	2.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,4-Naphthoquinone	1.1	U	10	1.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
1-Naphthylamine	0.84	U	10	0.84	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Naphthylamine	1.0	U	10	1.0	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Nitroaniline	1.4	U	50	1.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
3-Nitroaniline	1.2	U	50	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Nitroaniline	1.4	U	50	1.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
Nitrobenzene	1.9	U	10	1.9	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Nitrophenol	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
4-Nitrophenol	6.2	U	50	6.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitro-o-toluidine	0.90	U	10	0.90	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosodiethylamine	1.5	U	10	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosodimethylamine	2.4	U	10	2.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosodi-n-butylamine	1.5	U	10	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosodi-n-propylamine	1.9	U	10	1.9	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosodiphenylamine	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosomethylethylamine	1.6	U	10	1.6	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosopiperidine	0.87	U	10	0.87	ug/L		10/10/11 13:27	10/12/11 14:29	1
N-Nitrosopyrrolidine	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
o,o',o''-Triethylphosphorothioate	1.8	U	10	1.8	ug/L		10/10/11 13:27	10/12/11 14:29	1
p-Dimethylamino azobenzene	0.67	U	10	0.67	ug/L		10/10/11 13:27	10/12/11 14:29	1
Pentachlorobenzene	0.99	U	10	0.99	ug/L		10/10/11 13:27	10/12/11 14:29	1
Pentachloronitrobenzene	1.5	U	10	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		10/10/11 13:27	10/12/11 14:29	1
Phenacetin	0.84	U	10	0.84	ug/L		10/10/11 13:27	10/12/11 14:29	1
Phenol	2.4	U	4.0	2.4	ug/L		10/10/11 13:27	10/12/11 14:29	1
p-Phenylene diamine	3.1	U	2000	3.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
Pronamide	0.70	U	10	0.70	ug/L		10/10/11 13:27	10/12/11 14:29	1
Safrole, Total	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,2,4,5-Tetrachlorobenzene	1.1	U	10	1.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,3,4,6-Tetrachlorophenol	0.65	U	10	0.65	ug/L		10/10/11 13:27	10/12/11 14:29	1
2-Toluidine	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-116073/1-A
Matrix: Water
Analysis Batch: 116226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.2	U	10	1.2	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4,5-Trichlorophenol	2.1	U	10	2.1	ug/L		10/10/11 13:27	10/12/11 14:29	1
2,4,6-Trichlorophenol	1.9	U	10	1.9	ug/L		10/10/11 13:27	10/12/11 14:29	1
1,3,5-Trinitrobenzene	0.61	U	10	0.61	ug/L		10/10/11 13:27	10/12/11 14:29	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*36 - 124*	*10/10/11 13:27*	*10/12/11 14:29*	*1*
2-Fluorophenol	*56*		*29 - 121*	*10/10/11 13:27*	*10/12/11 14:29*	*1*
Nitrobenzene-d5	*63*		*34 - 130*	*10/10/11 13:27*	*10/12/11 14:29*	*1*
Phenol-d6 (Surr)	*54*		*25 - 128*	*10/10/11 13:27*	*10/12/11 14:29*	*1*
Terphenyl-d14	*66*		*14 - 148*	*10/10/11 13:27*	*10/12/11 14:29*	*1*
2,4,6-Tribromophenol	*61*		*29 - 143*	*10/10/11 13:27*	*10/12/11 14:29*	*1*

Lab Sample ID: LCS 660-116073/2-A
Matrix: Water
Analysis Batch: 116419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetophenone	100	44.6		ug/L		45	10 - 150
2-Acetylaminofluorene	100	55.3		ug/L		55	25 - 150
4-Aminobiphenyl	100	21.1		ug/L		21	10 - 150
Benzyl alcohol	100	51.8		ug/L		52	26 - 130
Bis(2-chloroethoxy)methane	100	52.2		ug/L		52	39 - 132
Bis(2-chloroethyl)ether	100	50.2		ug/L		50	34 - 135
bis(2 chloro-1-methylethyl) ether	100	48.7		ug/L		49	30 - 130
Bis(2-ethylhexyl) phthalate	100	68.4		ug/L		68	45 - 134
4-Bromophenyl phenyl ether	100	59.2		ug/L		59	46 - 130
Butyl benzyl phthalate	100	65.4		ug/L		65	43 - 135
4-Chloroaniline	100	37.8		ug/L		38	10 - 130
4-Chloro-3-methylphenol	100	57.7		ug/L		58	41 - 130
2-Chloronaphthalene	100	53.9		ug/L		54	45 - 130
2-Chlorophenol	100	47.4		ug/L		47	40 - 130
4-Chlorophenyl phenyl ether	100	56.1		ug/L		56	45 - 134
Diallate	100	111		ug/L		111	10 - 150
Dibenzofuran	100	54.5		ug/L		55	46 - 133
1,2-Dichlorobenzene	100	38.4		ug/L		38	35 - 130
1,3-Dichlorobenzene	100	35.5		ug/L		35	33 - 130
1,4-Dichlorobenzene	100	36.4	J3	ug/L		36	38 - 130
3,3'-Dichlorobenzidine	100	51.3		ug/L		51	10 - 130
2,4-Dichlorophenol	100	53.6		ug/L		54	40 - 135
2,6-Dichlorophenol	100	48.1		ug/L		48	10 - 150
Diethyl phthalate	100	60.8		ug/L		61	50 - 132
7,12-Dimethylbenz(a)anthracene	100	37.5		ug/L		38	10 - 150
3,3'-Dimethylbenzidine	100	20.4		ug/L		20	10 - 150
2,4-Dimethylphenol	100	44.4		ug/L		44	44 - 130
Dimethyl phthalate	100	58.9		ug/L		59	52 - 132
Di-n-butyl phthalate	100	65.1		ug/L		65	50 - 130
1,3-Dinitrobenzene	100	59.4		ug/L		59	10 - 150
4,6-Dinitro-2-methylphenol	100	60.3		ug/L		60	32 - 134

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-116073/2-A
Matrix: Water
Analysis Batch: 116226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dinitrophenol	100	55.6		ug/L		56	10 - 150
2,4-Dinitrotoluene	100	63.6		ug/L		64	48 - 131
2,6-Dinitrotoluene	100	60.0		ug/L		60	54 - 132
Di-n-octyl phthalate	100	71.1		ug/L		71	37 - 136
Ethyl methanesulfonate	100	43.7		ug/L		44	10 - 150
Hexachlorobenzene	100	57.5		ug/L		57	35 - 136
Hexachlorobutadiene	100	33.8		ug/L		34	34 - 130
Hexachlorocyclopentadiene	100	27.6		ug/L		28	10 - 130
Hexachloroethane	100	31.3		ug/L		31	31 - 130
Hexachloropropene	100	17.1		ug/L		17	10 - 150
Isophorone	100	56.2		ug/L		56	46 - 150
Isosafrole	100	40.2		ug/L		40	10 - 150
Methapyrilene	100	15.6	I	ug/L		16	10 - 150
3-Methylcholanthrene	100	39.0		ug/L		39	30 - 130
Methyl methanesulfonate	100	39.4		ug/L		39	10 - 150
2-Methylphenol	100	47.6		ug/L		48	40 - 130
1,4-Naphthoquinone	100	53.0		ug/L		53	10 - 150
1-Naphthylamine	100	25.2		ug/L		25	10 - 150
2-Naphthylamine	100	30.0		ug/L		30	10 - 150
2-Nitroaniline	100	57.9		ug/L		58	52 - 130
3-Nitroaniline	100	61.2		ug/L		61	25 - 130
4-Nitroaniline	100	57.6		ug/L		58	39 - 130
Nitrobenzene	100	53.2		ug/L		53	45 - 130
2-Nitrophenol	100	53.5		ug/L		54	44 - 134
4-Nitrophenol	100	57.3		ug/L		57	25 - 130
N-Nitro-o-toluidine	100	50.4		ug/L		50	10 - 150
N-Nitrosodiethylamine	100	44.2		ug/L		44	10 - 150
N-Nitrosodimethylamine	100	46.4		ug/L		46	24 - 130
N-Nitrosodi-n-butylamine	100	51.4		ug/L		51	10 - 150
N-Nitrosodi-n-propylamine	100	52.8		ug/L		53	37 - 130
N-Nitrosodiphenylamine	100	49.1		ug/L		49	28 - 139
N-Nitrosomethylethylamine	100	43.1		ug/L		43	10 - 133
N-Nitrosopiperidine	100	45.9		ug/L		46	10 - 150
N-Nitrosopyrrolidine	100	46.7		ug/L		47	10 - 150
o,o',o''-Triethylphosphorothioate	100	42.6		ug/L		43	10 - 150
p-Dimethylamino azobenzene	100	53.1		ug/L		53	10 - 150
Pentachlorobenzene	100	47.5		ug/L		47	10 - 150
Pentachloronitrobenzene	100	57.4		ug/L		57	10 - 150
Pentachlorophenol	100	55.8		ug/L		56	30 - 134
Phenacetin	100	56.5		ug/L		57	10 - 150
Phenol	100	37.6		ug/L		38	18 - 130
p-Phenylene diamine	100	3.1	U J3	ug/L		0	10 - 150
Pronamide	100	54.0		ug/L		54	10 - 150
Safrole, Total	100	41.0		ug/L		41	10 - 150
1,2,4,5-Tetrachlorobenzene	100	36.9		ug/L		37	10 - 150
2,3,4,6-Tetrachlorophenol	100	59.1		ug/L		59	10 - 130
2-Toluidine	100	29.6		ug/L		30	30 - 130
1,2,4-Trichlorobenzene	100	35.8	J3	ug/L		36	39 - 130
2,4,5-Trichlorophenol	100	57.5		ug/L		58	48 - 130
2,4,6-Trichlorophenol	100	56.6		ug/L		57	47 - 131

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-116073/2-A
Matrix: Water
Analysis Batch: 116419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3,5-Trinitrobenzene	100	63.3		ug/L		63	10 - 150

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*36 - 124*
2-Fluorophenol	*43*		*29 - 121*
Nitrobenzene-d5	*55*		*34 - 130*
Phenol-d6 (Surr)	*40*		*25 - 128*
Terphenyl-d14	*62*		*14 - 148*
2,4,6-Tribromophenol	*62*		*29 - 143*

Lab Sample ID: 660-43901-2 MS
Matrix: Water
Analysis Batch: 116419

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetophenone	1.5	U	99.0	54.9		ug/L		55	10 - 150
2-Acetylaminofluorene	0.75	U	99.0	59.4		ug/L		60	25 - 150
4-Aminobiphenyl	0.79	U	99.0	20.4		ug/L		21	10 - 150
Benzyl alcohol	2.8	U	99.0	65.4		ug/L		66	26 - 130
Bis(2-chloroethoxy)methane	2.0	U	99.0	63.8		ug/L		64	39 - 132
Bis(2-chloroethyl)ether	2.5	U	99.0	61.5		ug/L		62	34 - 135
bis(2 chloro-1-methylethyl) ether	2.1	U	99.0	59.6		ug/L		60	30 - 130
Bis(2-ethylhexyl) phthalate	1.3	U	99.0	62.6		ug/L		63	45 - 134
4-Bromophenyl phenyl ether	1.7	U	99.0	61.6		ug/L		62	46 - 130
Butyl benzyl phthalate	1.2	U	99.0	62.5		ug/L		63	43 - 135
4-Chloroaniline	2.1	U	99.0	45.8		ug/L		46	10 - 130
4-Chloro-3-methylphenol	1.7	U	99.0	51.1		ug/L		52	41 - 130
2-Chloronaphthalene	1.6	U	99.0	59.2		ug/L		60	45 - 130
2-Chlorophenol	2.1	U	99.0	47.1		ug/L		48	40 - 130
4-Chlorophenyl phenyl ether	1.8	U	99.0	61.0		ug/L		62	45 - 134
Diallate	1.4	U	99.0	123		ug/L		124	10 - 150
Dibenzofuran	1.6	U	99.0	60.4		ug/L		61	46 - 133
1,2-Dichlorobenzene	1.1	U	99.0	50.6		ug/L		51	35 - 130
1,3-Dichlorobenzene	1.1	U	99.0	47.7		ug/L		48	33 - 130
1,4-Dichlorobenzene	1.2	U J3	99.0	49.0		ug/L		49	38 - 130
3,3'-Dichlorobenzidine	1.6	U	99.0	42.6		ug/L		43	10 - 130
2,4-Dichlorophenol	1.8	U	99.0	49.2		ug/L		50	40 - 135
2,6-Dichlorophenol	1.6	U	99.0	47.3		ug/L		48	10 - 150
Diethyl phthalate	2.5	U	99.0	50.2		ug/L		51	50 - 132
7,12-Dimethylbenz(a)anthracene	0.90	U	99.0	43.8		ug/L		44	10 - 150
3,3'-Dimethylbenzidine	14	U J3	99.0	14	U J3	ug/L		0	10 - 150
2,4-Dimethylphenol	1.8	U	99.0	49.9		ug/L		50	44 - 130
Dimethyl phthalate	2.5	U J3	99.0	49.4	J3	ug/L		50	52 - 132
Di-n-butyl phthalate	2.5	U	99.0	62.7		ug/L		63	50 - 130
1,3-Dinitrobenzene	0.97	U	99.0	62.0		ug/L		63	10 - 150
4,6-Dinitro-2-methylphenol	1.5	U	99.0	50.2		ug/L		51	32 - 134
2,4-Dinitrophenol	6.1	U	99.0	47.4	I	ug/L		48	10 - 150
2,4-Dinitrotoluene	0.89	U	99.0	66.1		ug/L		67	48 - 131
2,6-Dinitrotoluene	0.71	U	99.0	63.6		ug/L		64	54 - 132

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43901-2 MS
Matrix: Water
Analysis Batch: 116226

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Di-n-octyl phthalate	2.5	U	99.0	66.7		ug/L		67	37 - 136
Ethyl methanesulfonate	1.3	U	99.0	50.9		ug/L		51	10 - 150
Hexachlorobenzene	1.7	U	99.0	57.0		ug/L		58	35 - 136
Hexachlorobutadiene	0.98	U	99.0	42.7		ug/L		43	34 - 130
Hexachlorocyclopentadiene	1.2	U	99.0	31.0		ug/L		31	10 - 130
Hexachloroethane	0.83	U	99.0	41.9		ug/L		42	31 - 130
Hexachloropropene	0.65	U	99.0	24.5		ug/L		25	10 - 150
Isophorone	1.4	U	99.0	64.7		ug/L		65	46 - 150
Isosafrole	1.6	U	99.0	48.9		ug/L		49	10 - 150
Methapyrilene	1.1	U	99.0	24.8	I	ug/L		25	10 - 150
3-Methylcholanthrene	0.55	U	99.0	43.6		ug/L		44	30 - 130
Methyl methanesulfonate	1.2	U	99.0	46.2		ug/L		47	10 - 150
2-Methylphenol	2.3	U	99.0	49.0		ug/L		49	40 - 130
1,4-Naphthoquinone	1.1	U	99.0	73.8		ug/L		75	10 - 150
1-Naphthylamine	0.82	U J3	99.0	7.37	I J3	ug/L		7	10 - 150
2-Naphthylamine	0.98	U	99.0	32.4		ug/L		33	10 - 150
2-Nitroaniline	1.4	U	99.0	61.6		ug/L		62	52 - 130
3-Nitroaniline	1.2	U	99.0	68.2		ug/L		69	25 - 130
4-Nitroaniline	1.4	U	99.0	62.6		ug/L		63	39 - 130
Nitrobenzene	1.9	U	99.0	64.5		ug/L		65	45 - 130
2-Nitrophenol	1.2	U	99.0	52.4		ug/L		53	44 - 134
4-Nitrophenol	6.1	U	99.0	53.1		ug/L		54	25 - 130
N-Nitro-o-toluidine	0.88	U	99.0	53.3		ug/L		54	10 - 150
N-Nitrosodiethylamine	1.5	U	99.0	53.9		ug/L		54	10 - 150
N-Nitrosodimethylamine	2.4	U	99.0	56.3		ug/L		57	24 - 130
N-Nitrosodi-n-butylamine	1.5	U	99.0	59.8		ug/L		60	10 - 150
N-Nitrosodi-n-propylamine	1.9	U	99.0	63.1		ug/L		64	37 - 130
N-Nitrosodiphenylamine	1.6	U	99.0	50.8		ug/L		51	28 - 139
N-Nitrosomethylethylamine	1.6	U	99.0	53.1		ug/L		54	10 - 133
N-Nitrosopiperidine	0.85	U	99.0	54.3		ug/L		55	10 - 150
N-Nitrosopyrrolidine	1.2	U	99.0	55.4		ug/L		56	10 - 150
o,o',o''-Triethylphosphorothioate	1.8	U	99.0	53.8		ug/L		54	10 - 150
p-Dimethylamino azobenzene	0.66	U	99.0	49.1		ug/L		50	10 - 150
Pentachlorobenzene	0.97	U	99.0	54.6		ug/L		55	10 - 150
Pentachloronitrobenzene	1.5	U	99.0	62.3		ug/L		63	10 - 150
Pentachlorophenol	1.5	U	99.0	53.7		ug/L		54	30 - 134
Phenacetin	0.82	U	99.0	58.3		ug/L		59	10 - 150
Phenol	2.4	U	99.0	41.5		ug/L		42	18 - 130
p-Phenylene diamine	3.0	U J3	99.0	3.1	U J3	ug/L		0	10 - 150
Pronamide	0.69	U	99.0	56.7		ug/L		57	10 - 150
Safrole, Total	1.2	U	99.0	49.6		ug/L		50	10 - 150
1,2,4,5-Tetrachlorobenzene	1.1	U	99.0	46.5		ug/L		47	10 - 150
2,3,4,6-Tetrachlorophenol	0.64	U	99.0	50.1		ug/L		51	10 - 130
2-Toluidine	1.2	U	99.0	40.0		ug/L		40	30 - 130
1,2,4-Trichlorobenzene	1.2	U J3	99.0	47.9		ug/L		48	39 - 130
2,4,5-Trichlorophenol	2.1	U	99.0	48.5		ug/L		49	48 - 130
2,4,6-Trichlorophenol	1.9	U	99.0	48.1		ug/L		49	47 - 131
1,3,5-Trinitrobenzene	0.60	U	99.0	57.4		ug/L		58	10 - 150

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43901-2 MS
Matrix: Water
Analysis Batch: 116226

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 116073

Surrogate	MS % Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	60		36 - 124
2-Fluorophenol	45		29 - 121
Nitrobenzene-d5	67		34 - 130
Phenol-d6 (Surr)	43		25 - 128
Terphenyl-d14	31		14 - 148
2,4,6-Tribromophenol	50		29 - 143

Lab Sample ID: 660-43968-H-1-B DU
Matrix: Water
Analysis Batch: 116419

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acetophenone	1.4	U		1.4	U	ug/L				NC	35
2-Acetylaminofluorene	0.74	U		0.74	U	ug/L				NC	35
4-Aminobiphenyl	0.78	U		0.78	U	ug/L				NC	35
Benzyl alcohol	2.8	U		2.8	U	ug/L				NC	35
Bis(2-chloroethoxy)methane	1.9	U		1.9	U	ug/L				NC	35
Bis(2-chloroethyl)ether	2.5	U		2.5	U	ug/L				NC	35
bis(2 chloro-1-methylethyl) ether	2.0	U		2.0	U	ug/L				NC	35
Bis(2-ethylhexyl) phthalate	1.3	U		1.3	U	ug/L				NC	35
4-Bromophenyl phenyl ether	1.6	U		1.6	U	ug/L				NC	35
Butyl benzyl phthalate	1.2	U		1.2	U	ug/L				NC	35
4-Chloroaniline	2.0	U		2.0	U	ug/L				NC	35
4-Chloro-3-methylphenol	1.6	U		1.6	U	ug/L				NC	35
2-Chloronaphthalene	1.5	U		1.5	U	ug/L				NC	35
2-Chlorophenol	2.0	U		2.0	U	ug/L				NC	35
4-Chlorophenyl phenyl ether	1.7	U		1.7	U	ug/L				NC	35
Diallate	1.3	U		1.4	U	ug/L				NC	35
Dibenzofuran	1.5	U		1.5	U	ug/L				NC	35
1,2-Dichlorobenzene	1.1	U		1.1	U	ug/L				NC	35
1,3-Dichlorobenzene	1.1	U		1.1	U	ug/L				NC	35
1,4-Dichlorobenzene	1.2	U J3		1.2	U J3	ug/L				NC	35
3,3'-Dichlorobenzidine	1.5	U		1.5	U	ug/L				NC	35
2,4-Dichlorophenol	1.7	U		1.7	U	ug/L				NC	35
2,6-Dichlorophenol	1.5	U		1.5	U	ug/L				NC	35
Diethyl phthalate	2.4	U		2.4	U	ug/L				NC	35
7,12-Dimethylbenz(a)anthracene	0.88	U		0.89	U	ug/L				NC	35
3,3'-Dimethylbenzidine	13	U		14	U	ug/L				NC	35
2,4-Dimethylphenol	1.7	U		1.7	U	ug/L				NC	35
Dimethyl phthalate	2.4	U		2.4	U	ug/L				NC	35
Di-n-butyl phthalate	2.4	U		2.4	U	ug/L				NC	35
1,3-Dinitrobenzene	0.95	U		0.96	U	ug/L				NC	35
4,6-Dinitro-2-methylphenol	1.4	U		1.4	U	ug/L				NC	35
2,4-Dinitrophenol	6.0	U		6.0	U	ug/L				NC	35
2,4-Dinitrotoluene	0.88	U		0.88	U	ug/L				NC	35
2,6-Dinitrotoluene	0.69	U		0.70	U	ug/L				NC	35
Di-n-octyl phthalate	2.4	U		2.4	U	ug/L				NC	35
Ethyl methanesulfonate	1.3	U		1.3	U	ug/L				NC	35
Hexachlorobenzene	1.6	U		1.6	U	ug/L				NC	35

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43968-H-1-B DU
Matrix: Water
Analysis Batch: 116226

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 116073

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexachlorobutadiene	0.96	U	0.97	U	ug/L		NC	35
Hexachlorocyclopentadiene	1.2	U	1.2	U	ug/L		NC	35
Hexachloroethane	0.82	U	0.82	U	ug/L		NC	35
Hexachloropropene	0.63	U	0.64	U	ug/L		NC	35
Isophorone	1.3	U	1.4	U	ug/L		NC	35
Isosafrole	1.5	U	1.5	U	ug/L		NC	35
Methapyrilene	1.1	U	1.1	U	ug/L		NC	35
3-Methylcholanthrene	0.54	U	0.54	U	ug/L		NC	35
Methyl methanesulfonate	1.2	U	1.2	U	ug/L		NC	35
2-Methylphenol	2.2	U	2.2	U	ug/L		NC	35
3 & 4 Methylphenol	2.3	U	2.3	U	ug/L		NC	35
1,4-Naphthoquinone	1.1	U	1.1	U	ug/L		NC	35
1-Naphthylamine	0.81	U	0.81	U	ug/L		NC	35
2-Naphthylamine	0.96	U	0.97	U	ug/L		NC	35
2-Nitroaniline	1.3	U	1.4	U	ug/L		NC	35
3-Nitroaniline	1.2	U	1.2	U	ug/L		NC	35
4-Nitroaniline	1.3	U	1.4	U	ug/L		NC	35
Nitrobenzene	1.8	U	1.8	U	ug/L		NC	35
2-Nitrophenol	1.2	U	1.2	U	ug/L		NC	35
4-Nitrophenol	6.0	U	6.0	U	ug/L		NC	35
N-Nitro-o-toluidine	0.87	U	0.87	U	ug/L		NC	35
N-Nitrosodiethylamine	1.4	U	1.4	U	ug/L		NC	35
N-Nitrosodimethylamine	2.3	U	2.3	U	ug/L		NC	35
N-Nitrosodi-n-butylamine	1.4	U	1.4	U	ug/L		NC	35
N-Nitrosodi-n-propylamine	1.8	U	1.8	U	ug/L		NC	35
N-Nitrosodiphenylamine	1.5	U	1.5	U	ug/L		NC	35
N-Nitrosomethylethylamine	1.5	U	1.5	U	ug/L		NC	35
N-Nitrosopiperidine	0.84	U	0.84	U	ug/L		NC	35
N-Nitrosopyrrolidine	1.2	U	1.2	U	ug/L		NC	35
o,o',o''-Triethylphosphorothioate	1.7	U	1.7	U	ug/L		NC	35
p-Dimethylamino azobenzene	0.64	U	0.65	U	ug/L		NC	35
Pentachlorobenzene	0.95	U	0.96	U	ug/L		NC	35
Pentachloronitrobenzene	1.4	U	1.4	U	ug/L		NC	35
Pentachlorophenol	1.4	U	1.4	U	ug/L		NC	35
Phenacetin	0.81	U	0.81	U	ug/L		NC	35
Phenol	2.3	U	2.3	U	ug/L		NC	35
p-Phenylene diamine	3.0	U J3	3.0	U J3	ug/L		NC	35
Pronamide	0.67	U	0.68	U	ug/L		NC	35
Safrole, Total	1.2	U	1.2	U	ug/L		NC	35
1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	U	ug/L		NC	35
2,3,4,6-Tetrachlorophenol	0.63	U	0.63	U	ug/L		NC	35
2-Toluidine	1.2	U	1.2	U	ug/L		NC	35
1,2,4-Trichlorobenzene	1.2	U J3	1.2	U J3	ug/L		NC	35
2,4,5-Trichlorophenol	2.0	U	2.0	U	ug/L		NC	35
2,4,6-Trichlorophenol	1.8	U	1.8	U	ug/L		NC	35
1,3,5-Trinitrobenzene	0.59	U	0.59	U	ug/L		NC	35

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*36 - 124*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-43968-H-1-B DU
Matrix: Water
Analysis Batch: 116226

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 116073

Surrogate	DU % Recovery	DU Qualifier	Limits
2-Fluorophenol	43		29 - 121
Nitrobenzene-d5	65		34 - 130
Phenol-d6 (Surr)	42		25 - 128
Terphenyl-d14	14		14 - 148
2,4,6-Tribromophenol	49		29 - 143

Method: 8270C/LL_PAH - Low Level PAH's

Lab Sample ID: MB 660-115881/1-A
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 18:44	1
Acenaphthylene	0.25	U	1.0	0.25	ug/L		10/05/11 09:58	10/06/11 18:44	1
Anthracene	0.076	U	0.20	0.076	ug/L		10/05/11 09:58	10/06/11 18:44	1
Benzo[a]anthracene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 18:44	1
Benzo[a]pyrene	0.057	U	0.20	0.057	ug/L		10/05/11 09:58	10/06/11 18:44	1
Benzo[b]fluoranthene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 18:44	1
Benzo[g,h,i]perylene	0.10	U	0.50	0.10	ug/L		10/05/11 09:58	10/06/11 18:44	1
Benzo[k]fluoranthene	0.057	U	0.20	0.057	ug/L		10/05/11 09:58	10/06/11 18:44	1
Chrysene	0.069	U	0.20	0.069	ug/L		10/05/11 09:58	10/06/11 18:44	1
Dibenz(a,h)anthracene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 18:44	1
Fluoranthene	0.054	U	0.50	0.054	ug/L		10/05/11 09:58	10/06/11 18:44	1
Fluorene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 18:44	1
Indeno[1,2,3-cd]pyrene	0.050	U	0.20	0.050	ug/L		10/05/11 09:58	10/06/11 18:44	1
1-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 18:44	1
2-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		10/05/11 09:58	10/06/11 18:44	1
Naphthalene	0.25	U	2.0	0.25	ug/L		10/05/11 09:58	10/06/11 18:44	1
Phenanthrene	0.20	U	0.50	0.20	ug/L		10/05/11 09:58	10/06/11 18:44	1
Pyrene	0.089	U	0.50	0.089	ug/L		10/05/11 09:58	10/06/11 18:44	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		30 - 130	10/05/11 09:58	10/06/11 18:44	1

Lab Sample ID: LCS 660-115881/2-A
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	10.0	5.80		ug/L		58	55 - 132
Acenaphthylene	10.0	6.69		ug/L		67	39 - 130
Anthracene	10.0	5.94		ug/L		59	39 - 130
Benzo[a]anthracene	10.0	5.98		ug/L		60	54 - 135
Benzo[a]pyrene	10.0	5.54		ug/L		55	21 - 130
Benzo[b]fluoranthene	10.0	6.10		ug/L		61	37 - 130
Benzo[g,h,i]perylene	10.0	6.26		ug/L		63	26 - 130
Benzo[k]fluoranthene	10.0	6.43		ug/L		64	38 - 130
Chrysene	10.0	5.61		ug/L		56	56 - 130

Method: 8270C/LL_PAH - Low Level PAH's (Continued)

Lab Sample ID: LCS 660-115881/2-A
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dibenz(a,h)anthracene	10.0	6.40		ug/L		64	13 - 130
Fluoranthene	10.0	6.37		ug/L		64	60 - 130
Fluorene	10.0	6.23		ug/L		62	55 - 140
Indeno[1,2,3-cd]pyrene	10.0	5.78		ug/L		58	21 - 130
1-Methylnaphthalene	10.0	6.30		ug/L		63	49 - 130
2-Methylnaphthalene	10.0	6.02		ug/L		60	48 - 130
Naphthalene	10.0	6.61		ug/L		66	54 - 133
Phenanthrene	10.0	6.16		ug/L		62	60 - 136
Pyrene	10.0	6.35		ug/L		63	60 - 138

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*69*		*30 - 130*

Lab Sample ID: 660-43889-E-3-A MS
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	0.47	U J3	9.52	3.86	J3	ug/L		40	55 - 132
Acenaphthylene	0.24	U	9.52	4.66		ug/L		49	39 - 130
Anthracene	0.072	U	9.52	5.74		ug/L		60	39 - 130
Benzo[a]anthracene	0.047	U	9.52	5.94		ug/L		62	54 - 135
Benzo[a]pyrene	0.054	U	9.52	5.22		ug/L		55	21 - 130
Benzo[b]fluoranthene	0.047	U	9.52	6.18		ug/L		65	37 - 130
Benzo[g,h,i]perylene	0.095	U	9.52	5.47		ug/L		57	26 - 130
Benzo[k]fluoranthene	0.054	U	9.52	5.79		ug/L		61	38 - 130
Chrysene	0.065	U	9.52	6.00		ug/L		63	56 - 130
Dibenz(a,h)anthracene	0.047	U	9.52	5.55		ug/L		58	13 - 130
Fluoranthene	0.051	U	9.52	6.16		ug/L		65	60 - 130
Fluorene	0.47	U J3	9.52	4.55	J3	ug/L		48	55 - 140
Indeno[1,2,3-cd]pyrene	0.047	U	9.52	5.50		ug/L		58	21 - 130
1-Methylnaphthalene	8.1	J3	9.52	11.4	J3	ug/L		34	49 - 130
2-Methylnaphthalene	6.8	J3	9.52	10.9	J3	ug/L		43	48 - 130
Naphthalene	39	J3	9.52	42.0	J3	ug/L		33	54 - 133
Phenanthrene	0.19	U J3	9.52	5.65	J3	ug/L		59	60 - 136
Pyrene	0.084	U	9.52	6.26		ug/L		66	60 - 138

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*57*		*30 - 130*

Lab Sample ID: 660-43889-G-2-A DU
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acenaphthene	0.47	U	0.48	U	ug/L		NC	35
Acenaphthylene	0.24	U	0.24	U	ug/L		NC	35
Anthracene	0.072	U	0.072	U	ug/L		NC	35
Benzo[a]anthracene	0.047	U	0.048	U	ug/L		NC	35

Method: 8270C/LL_PAH - Low Level PAH's (Continued)

Lab Sample ID: 660-43889-G-2-A DU
Matrix: Water
Analysis Batch: 116005

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Benzo[a]pyrene	0.054	U	0.054	U	ug/L		NC	35
Benzo[b]fluoranthene	0.047	U	0.048	U	ug/L		NC	35
Benzo[g,h,i]perylene	0.095	U	0.095	U	ug/L		NC	35
Benzo[k]fluoranthene	0.054	U	0.054	U	ug/L		NC	35
Chrysene	0.065	U	0.066	U	ug/L		NC	35
Dibenz(a,h)anthracene	0.047	U	0.048	U	ug/L		NC	35
Fluoranthene	0.051	U	0.051	U	ug/L		NC	35
Fluorene	0.47	U	0.48	U	ug/L		NC	35
Indeno[1,2,3-cd]pyrene	0.047	U	0.048	U	ug/L		NC	35
1-Methylnaphthalene	0.47	U	0.48	U	ug/L		NC	35
2-Methylnaphthalene	0.47	U	0.48	U	ug/L		NC	35
Naphthalene	0.24	U	0.24	U	ug/L		NC	35
Phenanthrene	0.19	U	0.19	U	ug/L		NC	35
Pyrene	0.084	U	0.085	U	ug/L		NC	35

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*58*		*30 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 660-115931/1-A
Matrix: Water
Analysis Batch: 115980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		10/06/11 09:33	10/06/11 13:41	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		10/06/11 09:33	10/06/11 13:41	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*91*		*60 - 140*	*10/06/11 09:33*	*10/06/11 13:41*	*1*

Lab Sample ID: LCS 660-115931/2-A
Matrix: Water
Analysis Batch: 115980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dibromo-3-Chloropropane	0.252	0.227		ug/L		90	70 - 130
Ethylene Dibromide	0.252	0.237		ug/L		94	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*90*		*60 - 140*

Lab Sample ID: 660-43901-1 MS
Matrix: Water
Analysis Batch: 115980

Client Sample ID: TH-74
Prep Type: Total/NA
Prep Batch: 115931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2-Dibromo-3-Chloropropane	0.010		0.245	0.199		ug/L		81	70 - 130
Ethylene Dibromide	0.010		0.245	0.210		ug/L		86	70 - 130

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 660-43901-1 MS
Matrix: Water
Analysis Batch: 115980

Client Sample ID: TH-74
Prep Type: Total/NA
Prep Batch: 115931

Surrogate	MS % Recovery	MS Qualifier	Limits
1,1,1,2-Tetrachloroethane	*86*		*60 - 140*

Lab Sample ID: 660-43901-2 DU
Matrix: Water
Analysis Batch: 115980

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 115931

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0099			0.010	U	ug/L				NC	40
Ethylene Dibromide	0.0099			0.010	U	ug/L				NC	40

Surrogate	DU % Recovery	DU Qualifier	Limits
1,1,1,2-Tetrachloroethane	*74*		*60 - 140*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 660-115876/1-A
Matrix: Water
Analysis Batch: 115900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		10/05/11 09:02	10/05/11 14:48	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		10/05/11 09:02	10/05/11 14:48	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		10/05/11 09:02	10/05/11 14:48	1
Chlordane (technical)	0.057	U	0.50	0.057	ug/L		10/05/11 09:02	10/05/11 14:48	1
Chlorobenzilate	0.075	U	0.50	0.075	ug/L		10/05/11 09:02	10/05/11 14:48	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		10/05/11 09:02	10/05/11 14:48	1
4,4'-DDE	0.0055	U	0.050	0.0055	ug/L		10/05/11 09:02	10/05/11 14:48	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		10/05/11 09:02	10/05/11 14:48	1
delta-BHC	0.0028	U	0.050	0.0028	ug/L		10/05/11 09:02	10/05/11 14:48	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		10/05/11 09:02	10/05/11 14:48	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		10/05/11 09:02	10/05/11 14:48	1
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		10/05/11 09:02	10/05/11 14:48	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		10/05/11 09:02	10/05/11 14:48	1
Endrin	0.0031	U	0.050	0.0031	ug/L		10/05/11 09:02	10/05/11 14:48	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		10/05/11 09:02	10/05/11 14:48	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		10/05/11 09:02	10/05/11 14:48	1
Heptachlor	0.0031	U	0.050	0.0031	ug/L		10/05/11 09:02	10/05/11 14:48	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		10/05/11 09:02	10/05/11 14:48	1
Isodrin	0.0061	U	0.050	0.0061	ug/L		10/05/11 09:02	10/05/11 14:48	1
Methoxychlor	0.0051	U	0.050	0.0051	ug/L		10/05/11 09:02	10/05/11 14:48	1
Toxaphene	0.72	U	5.0	0.72	ug/L		10/05/11 09:02	10/05/11 14:48	1
Kepone	0.083	U	0.50	0.083	ug/L		10/05/11 09:02	10/05/11 14:48	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*103*		*30 - 150*	*10/05/11 09:02*	*10/05/11 14:48*	*1*
Tetrachloro-m-xylene	*89*		*30 - 150*	*10/05/11 09:02*	*10/05/11 14:48*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 660-115876/2-A
Matrix: Water
Analysis Batch: 115900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.500	0.365		ug/L		73	35 - 130
alpha-BHC	0.500	0.454		ug/L		91	56 - 130
beta-BHC	0.500	0.458		ug/L		92	52 - 130
4,4'-DDD	0.500	0.495		ug/L		99	51 - 130
4,4'-DDE	0.500	0.448		ug/L		90	50 - 130
4,4'-DDT	0.500	0.486		ug/L		97	46 - 130
delta-BHC	0.500	0.453		ug/L		91	42 - 130
Dieldrin	0.500	0.456		ug/L		91	51 - 130
Endosulfan I	0.500	0.414		ug/L		83	40 - 130
Endosulfan II	0.500	0.430		ug/L		86	48 - 130
Endosulfan sulfate	0.500	0.464		ug/L		93	43 - 130
Endrin	0.500	0.462		ug/L		92	53 - 130
Endrin aldehyde	0.500	0.458		ug/L		92	30 - 155
gamma-BHC (Lindane)	0.500	0.445		ug/L		89	55 - 130
Heptachlor	0.500	0.393		ug/L		79	38 - 130
Heptachlor epoxide	0.500	0.449		ug/L		90	53 - 130
Methoxychlor	0.500	0.534		ug/L		107	44 - 138

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*30 - 150*
Tetrachloro-m-xylene	*82*		*30 - 150*

Lab Sample ID: LCS 660-115876/3-A
Matrix: Water
Analysis Batch: 115900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorobenzilate	5.00	4.89		ug/L		98	30 - 130
Isodrin	0.500	0.397		ug/L		79	30 - 130
Kepone	0.500	0.108	I	ug/L		22	10 - 130

Lab Sample ID: 660-43886-C-1-B MS
Matrix: Water
Analysis Batch: 115900

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.0017		0.476	0.410		ug/L		86	35 - 130
alpha-BHC	0.0027		0.476	0.452		ug/L		95	56 - 130
beta-BHC	0.069		0.476	0.531		ug/L		96	52 - 130
4,4'-DDD	0.0039		0.476	0.555		ug/L		117	51 - 130
4,4'-DDE	0.0053		0.476	0.497		ug/L		104	50 - 130
4,4'-DDT	0.0031		0.476	0.490		ug/L		103	46 - 130
delta-BHC	0.0027		0.476	0.448		ug/L		94	42 - 130
Dieldrin	0.0013		0.476	0.461		ug/L		97	51 - 130
Endosulfan I	0.0033		0.476	0.431		ug/L		90	40 - 130
Endosulfan II	0.0032		0.476	0.454		ug/L		95	48 - 130
Endosulfan sulfate	0.0029		0.476	0.498		ug/L		105	43 - 130
Endrin	0.0030		0.476	0.491		ug/L		103	53 - 130
Endrin aldehyde	0.0031		0.476	0.484		ug/L		102	30 - 155

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-43886-C-1-B MS
Matrix: Water
Analysis Batch: 115900

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
gamma-BHC (Lindane)	0.0025		0.476	0.447		ug/L		94	55 - 130
Heptachlor	0.0030		0.476	0.427		ug/L		90	38 - 130
Heptachlor epoxide	0.0030		0.476	0.465		ug/L		98	53 - 130
Methoxychlor	0.0049		0.476	0.561		ug/L		118	44 - 138

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*30 - 150*
Tetrachloro-m-xylene	*93*		*30 - 150*

Lab Sample ID: 660-43901-G-2-C MS
Matrix: Water
Analysis Batch: 115900

Client Sample ID: 660-43901-G-2-C MS
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorobenzilate	0.072		4.81	4.95		ug/L		103	30 - 130
Isodrin	0.0059		0.481	0.433		ug/L		90	30 - 130
Kepone	0.080		0.481	0.237	I	ug/L		49	10 - 130

Lab Sample ID: 660-43901-2 DU
Matrix: Water
Analysis Batch: 115900

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aldrin	0.0017		0.0017	U	ug/L		NC	30
alpha-BHC	0.0027		0.0027	U	ug/L		NC	26
beta-BHC	0.0026		0.0026	U	ug/L		NC	27
Chlordane (technical)	0.055		0.055	U	ug/L		NC	30
Chlorobenzilate	0.072		0.072	U	ug/L		NC	35
4,4'-DDD	0.0039		0.0039	U	ug/L		NC	27
4,4'-DDE	0.0053		0.0053	U	ug/L		NC	27
4,4'-DDT	0.0031		0.0031	U	ug/L		NC	26
delta-BHC	0.0027		0.0027	U	ug/L		NC	27
Dieldrin	0.0013		0.0013	U	ug/L		NC	26
Endosulfan I	0.0033		0.0033	U	ug/L		NC	33
Endosulfan II	0.0032		0.0032	U	ug/L		NC	31
Endosulfan sulfate	0.0029		0.0029	U	ug/L		NC	35
Endrin	0.0030		0.0030	U	ug/L		NC	27
Endrin aldehyde	0.0031		0.0031	U	ug/L		NC	33
gamma-BHC (Lindane)	0.0025		0.0025	U	ug/L		NC	24
Heptachlor	0.0030		0.0030	U	ug/L		NC	27
Heptachlor epoxide	0.0030		0.0030	U	ug/L		NC	29
Isodrin	0.0059		0.0059	U	ug/L		NC	35
Methoxychlor	0.0049		0.0049	U	ug/L		NC	31
Toxaphene	0.69		0.69	U	ug/L		NC	30
Kepone	0.080		0.080	U	ug/L		NC	35

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*30 - 150*
Tetrachloro-m-xylene	*84*		*30 - 150*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 660-115976/1-A
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		10/07/11 06:47	10/07/11 13:25	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		10/07/11 06:47	10/07/11 13:25	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		10/07/11 06:47	10/07/11 13:25	1
Chlordane (technical)	0.057	U	0.50	0.057	ug/L		10/07/11 06:47	10/07/11 13:25	1
Chlorobenzilate	0.075	U	0.50	0.075	ug/L		10/07/11 06:47	10/07/11 13:25	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		10/07/11 06:47	10/07/11 13:25	1
4,4'-DDE	0.0055	U	0.050	0.0055	ug/L		10/07/11 06:47	10/07/11 13:25	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		10/07/11 06:47	10/07/11 13:25	1
delta-BHC	0.0028	U	0.050	0.0028	ug/L		10/07/11 06:47	10/07/11 13:25	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		10/07/11 06:47	10/07/11 13:25	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		10/07/11 06:47	10/07/11 13:25	1
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		10/07/11 06:47	10/07/11 13:25	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		10/07/11 06:47	10/07/11 13:25	1
Endrin	0.0031	U	0.050	0.0031	ug/L		10/07/11 06:47	10/07/11 13:25	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		10/07/11 06:47	10/07/11 13:25	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		10/07/11 06:47	10/07/11 13:25	1
Heptachlor	0.0031	U	0.050	0.0031	ug/L		10/07/11 06:47	10/07/11 13:25	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		10/07/11 06:47	10/07/11 13:25	1
Isodrin	0.0061	U	0.050	0.0061	ug/L		10/07/11 06:47	10/07/11 13:25	1
Methoxychlor	0.0051	U	0.050	0.0051	ug/L		10/07/11 06:47	10/07/11 13:25	1
Toxaphene	0.72	U	5.0	0.72	ug/L		10/07/11 06:47	10/07/11 13:25	1
Kepone	0.083	U	0.50	0.083	ug/L		10/07/11 06:47	10/07/11 13:25	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*30 - 150*	*10/07/11 06:47*	*10/07/11 13:25*	*1*
Tetrachloro-m-xylene	*84*		*30 - 150*	*10/07/11 06:47*	*10/07/11 13:25*	*1*

Lab Sample ID: LCS 660-115976/2-A
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.500	0.358		ug/L		72	35 - 130
alpha-BHC	0.500	0.431		ug/L		86	56 - 130
beta-BHC	0.500	0.446		ug/L		89	52 - 130
4,4'-DDD	0.500	0.491		ug/L		98	51 - 130
4,4'-DDE	0.500	0.435		ug/L		87	50 - 130
4,4'-DDT	0.500	0.470		ug/L		94	46 - 130
delta-BHC	0.500	0.438		ug/L		88	42 - 130
Dieldrin	0.500	0.444		ug/L		89	51 - 130
Endosulfan I	0.500	0.403		ug/L		81	40 - 130
Endosulfan II	0.500	0.438		ug/L		88	48 - 130
Endosulfan sulfate	0.500	0.485		ug/L		97	43 - 130
Endrin	0.500	0.443		ug/L		89	53 - 130
Endrin aldehyde	0.500	0.485		ug/L		97	30 - 155
gamma-BHC (Lindane)	0.500	0.439		ug/L		88	55 - 130
Heptachlor	0.500	0.388		ug/L		78	38 - 130
Heptachlor epoxide	0.500	0.442		ug/L		88	53 - 130
Methoxychlor	0.500	0.557		ug/L		111	44 - 138

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 660-115976/2-A
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115976

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*30 - 150*
Tetrachloro-m-xylene	*79*		*30 - 150*

Lab Sample ID: LCS 660-115976/3-A
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorobenzilate	5.00	4.54		ug/L		91	30 - 130
Isodrin	0.500	0.356		ug/L		71	30 - 130
Kepone	0.500	0.114	I	ug/L		23	10 - 130

Lab Sample ID: 660-43901-1 MS
Matrix: Water
Analysis Batch: 116044

Client Sample ID: TH-74
Prep Type: Total/NA
Prep Batch: 115976

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorobenzilate	0.071		4.72	3.19		ug/L		68	30 - 130
Isodrin	0.0058		0.472	0.433		ug/L		92	30 - 130
Kepone	0.079		0.472	0.224	I	ug/L		47	10 - 130

Lab Sample ID: 660-43782-M-2-A DU
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 115976

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aldrin	0.0017		0.0017	U	ug/L		NC	30
alpha-BHC	0.0026		0.0027	U	ug/L		NC	26
beta-BHC	0.0025		0.0026	U	ug/L		NC	27
Chlordane (technical)	0.054		0.054	U	ug/L		NC	30
Chlorobenzilate	0.071		0.071	U	ug/L		NC	35
4,4'-DDD	0.0039		0.0039	U	ug/L		NC	27
4,4'-DDE	0.0052		0.0052	U	ug/L		NC	27
4,4'-DDT	0.046		0.0030	U	ug/L		NC	26
delta-BHC	0.0026		0.0027	U	ug/L		NC	27
Dieldrin	0.0013		0.0013	U	ug/L		NC	26
Endosulfan I	0.0032		0.0032	U	ug/L		NC	33
Endosulfan II	0.0031		0.0031	U	ug/L		NC	31
Endosulfan sulfate	0.0028		0.0029	U	ug/L		NC	35
Endrin	0.0029		0.0030	U	ug/L		NC	27
Endrin aldehyde	0.0030		0.0030	U	ug/L		NC	33
gamma-BHC (Lindane)	0.0025		0.0025	U	ug/L		NC	24
Heptachlor	0.0029		0.0030	U	ug/L		NC	27
Heptachlor epoxide	0.0029		0.0030	U	ug/L		NC	29
Isodrin	0.0058		0.0058	U	ug/L		NC	35
Methoxychlor	0.0048		0.0049	U	ug/L		NC	31
Toxaphene	0.68		0.69	U	ug/L		NC	30
Kepone	0.078		0.079	U	ug/L		NC	35

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-43782-M-2-A DU
Matrix: Water
Analysis Batch: 116044

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 115976

Surrogate	DU % Recovery	DU Qualifier	Limits
DCB Decachlorobiphenyl	67		30 - 150
Tetrachloro-m-xylene	91		30 - 150

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 660-115876/1-A
Matrix: Water
Analysis Batch: 116025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.50	0.26	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1221	0.15	U	0.50	0.15	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1232	0.38	U	0.50	0.38	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1242	0.23	U	0.50	0.23	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1248	0.13	U	0.50	0.13	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1254	0.12	U	0.50	0.12	ug/L		10/05/11 09:02	10/07/11 16:58	1
PCB-1260	0.32	U	0.50	0.32	ug/L		10/05/11 09:02	10/07/11 16:58	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		30 - 150	10/05/11 09:02	10/07/11 16:58	1
Tetrachloro-m-xylene	95		30 - 150	10/05/11 09:02	10/07/11 16:58	1

Lab Sample ID: LCS 660-115876/4-A
Matrix: Water
Analysis Batch: 116025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	5.00	4.07		ug/L		81	34 - 130
PCB-1260	5.00	3.67		ug/L		73	45 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	71		30 - 150
Tetrachloro-m-xylene	85		30 - 150

Lab Sample ID: 660-43901-1 MS
Matrix: Water
Analysis Batch: 116025

Client Sample ID: TH-74
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	0.25		4.76	4.85		ug/L		102	34 - 130
PCB-1260	0.30		4.76	3.66		ug/L		77	45 - 130

Surrogate	MS % Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	65		30 - 150
Tetrachloro-m-xylene	90		30 - 150

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 660-43901-2 DU
Matrix: Water
Analysis Batch: 116025

Client Sample ID: TH-75
Prep Type: Total/NA
Prep Batch: 115876

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
PCB-1016	0.25			0.25	U	ug/L				NC	34
PCB-1221	0.14			0.14	U	ug/L				NC	110
PCB-1232	0.37			0.37	U	ug/L				NC	86
PCB-1242	0.22			0.22	U	ug/L				NC	74
PCB-1248	0.13			0.13	U	ug/L				NC	30
PCB-1254	0.12			0.12	U	ug/L				NC	39
PCB-1260	0.31			0.31	U	ug/L				NC	34

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*30 - 150*
Tetrachloro-m-xylene	*87*		*30 - 150*

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 640-85863/1-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 85863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		10/10/11 17:30	10/12/11 15:03	1
Disulfoton	0.12	U	2.0	0.12	ug/L		10/10/11 17:30	10/12/11 15:03	1
Famphur	0.11	U	2.0	0.11	ug/L		10/10/11 17:30	10/12/11 15:03	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		10/10/11 17:30	10/12/11 15:03	1
Parathion	0.080	U	1.0	0.080	ug/L		10/10/11 17:30	10/12/11 15:03	1
Phorate	0.16	U	1.0	0.16	ug/L		10/10/11 17:30	10/12/11 15:03	1
Thionazin	0.061	U	1.0	0.061	ug/L		10/10/11 17:30	10/12/11 15:03	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*95*		*37 - 139*	*10/10/11 17:30*	*10/12/11 15:03*	*1*

Lab Sample ID: LCS 640-85863/6-A
Matrix: Water
Analysis Batch: 85934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 85863

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Famphur			2.50	2.84		ug/L		114	50 - 130		
Methyl parathion			2.50	3.07		ug/L		123	43 - 140		
Parathion			2.50	3.18		ug/L		127	49 - 134		
Phorate			2.50	2.78		ug/L		111	50 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*105*		*37 - 139*

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCSD 640-85863/7-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85934 — **Prep Batch: 85863**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Famphur			2.50	2.98		ug/L		119	50 - 130	5	30
Methyl parathion			2.50	3.58	J3	ug/L		143	43 - 140	15	30
Parathion			2.50	3.58	J3	ug/L		143	49 - 134	12	30
Phorate			2.50	3.36	J3	ug/L		135	50 - 130	19	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Triphenylphosphate	*116*		*37 - 139*

Lab Sample ID: 560-28450-P-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85934 — **Prep Batch: 85863**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Famphur	0.11	U	2.50	2.40		ug/L		96	50 - 130
Methyl parathion	0.12	U J3	2.50	2.62		ug/L		105	32 - 137
Parathion	0.080	U J3	2.50	2.70		ug/L		108	32 - 138
Phorate	0.16	U J3	2.50	2.73		ug/L		109	50 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Triphenylphosphate	*108*		*37 - 139*

Lab Sample ID: 560-28450-P-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85934 — **Prep Batch: 85863**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Famphur	0.11	U	2.50	2.26		ug/L		90	50 - 130	6	30
Methyl parathion	0.12	U J3	2.50	2.86		ug/L		114	32 - 137	9	48
Parathion	0.080	U J3	2.50	3.01		ug/L		120	32 - 138	11	44
Phorate	0.16	U J3	2.50	2.69		ug/L		108	50 - 130	1	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*95*		*37 - 139*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-217131/19-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 217663 — **Prep Batch: 217131**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.062	U	0.50	0.062	ug/L		10/10/11 08:16	10/13/11 04:25	1
2,4-D	0.037	U	0.50	0.037	ug/L		10/10/11 08:16	10/13/11 04:25	1
Dinoseb	0.16	U	6.0	0.16	ug/L		10/10/11 08:16	10/13/11 04:25	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		10/10/11 08:16	10/13/11 04:25	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*52 - 151*	*10/10/11 08:16*	*10/13/11 04:25*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-217131/20-A
Matrix: Water
Analysis Batch: 217663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 217131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4,5-T	2.00	1.64		ug/L		82	59 - 130
2,4-D	2.00	1.48		ug/L		74	63 - 130
Dinoseb	2.00	1.08	I	ug/L		54	10 - 130
Silvex (2,4,5-TP)	2.00	1.52		ug/L		76	64 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*93*		*52 - 151*

Lab Sample ID: 680-72624-A-1-J MS
Matrix: Water
Analysis Batch: 217663

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 217131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4,5-T	6.2	U	200	151		ug/L		75	59 - 130
2,4-D	3.7	U	200	134		ug/L		67	63 - 130
Dinoseb	16	U	200	23.6	I	ug/L		12	10 - 130
Silvex (2,4,5-TP)	6.2	U	200	149		ug/L		75	64 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*87*		*52 - 151*

Lab Sample ID: 680-72624-A-1-K MSD
Matrix: Water
Analysis Batch: 217663

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 217131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2,4,5-T	6.2	U	200	158		ug/L		79	59 - 130	5	50
2,4-D	3.7	U	200	152		ug/L		76	63 - 130	13	50
Dinoseb	16	U	200	16	U J3	ug/L		0	10 - 130	NC	50
Silvex (2,4,5-TP)	6.2	U	200	184		ug/L		92	64 - 130	21	50

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*123*		*52 - 151*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-217010/1-A
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		10/07/11 12:21	10/08/11 06:26	1
Arsenic	1.3	U	2.5	1.3	ug/L		10/07/11 12:21	10/08/11 06:26	1
Barium	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 06:26	1
Beryllium	0.25	U	0.50	0.25	ug/L		10/07/11 12:21	10/08/11 06:26	1
Cadmium	0.095	U	0.50	0.095	ug/L		10/07/11 12:21	10/08/11 06:26	1
Chromium	2.5	U	5.0	2.5	ug/L		10/07/11 12:21	10/08/11 06:26	1
Cobalt	0.15	U	0.50	0.15	ug/L		10/07/11 12:21	10/08/11 06:26	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-217010/1-A
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1.1	U	5.0	1.1	ug/L		10/07/11 12:21	10/08/11 06:26	1
Iron	33	U	100	33	ug/L		10/07/11 12:21	10/08/11 06:26	1
Lead	0.20	U	1.5	0.20	ug/L		10/07/11 12:21	10/08/11 06:26	1
Nickel	3.60	I	5.0	2.0	ug/L		10/07/11 12:21	10/08/11 06:26	1
Selenium	1.0	U	2.5	1.0	ug/L		10/07/11 12:21	10/08/11 06:26	1
Silver	0.25	U	1.0	0.25	ug/L		10/07/11 12:21	10/08/11 06:26	1
Sodium	0.25	U	0.50	0.25	mg/L		10/07/11 12:21	10/08/11 06:26	1
Thallium	0.50	U	1.0	0.50	ug/L		10/07/11 12:21	10/08/11 06:26	1
Tin	1.3	U	5.0	1.3	ug/L		10/07/11 12:21	10/08/11 06:26	1
Vanadium	3.8	U	10	3.8	ug/L		10/07/11 12:21	10/08/11 06:26	1
Zinc	8.3	U	20	8.3	ug/L		10/07/11 12:21	10/08/11 06:26	1

Lab Sample ID: LCS 680-217010/2-A
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	62.8	J3	ug/L		126	75 - 125
Arsenic	100	117		ug/L		117	75 - 125
Barium	100	118		ug/L		118	75 - 125
Beryllium	50.0	61.8		ug/L		124	75 - 125
Cadmium	50.0	58.6		ug/L		117	75 - 125
Chromium	100	115		ug/L		115	75 - 125
Cobalt	50.0	56.5		ug/L		113	75 - 125
Copper	100	117		ug/L		117	75 - 125
Iron	5000	6110		ug/L		122	75 - 125
Lead	50.0	59.2		ug/L		118	75 - 125
Nickel	100	116		ug/L		116	75 - 125
Selenium	100	120		ug/L		120	75 - 125
Silver	50.0	58.1		ug/L		116	75 - 125
Sodium	5.00	5.94		mg/L		119	75 - 125
Thallium	40.0	46.1		ug/L		115	75 - 125
Tin	100	115		ug/L		115	75 - 125
Vanadium	100	113		ug/L		113	75 - 125
Zinc	100	123		ug/L		123	75 - 125

Lab Sample ID: 640-35074-A-30-E MS
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	2.3	U J3	50.0	57.0		ug/L		114	75 - 125
Arsenic	7.6		100	117		ug/L		110	75 - 125
Barium	3.0	I	100	109		ug/L		106	75 - 125
Beryllium	11	J3	50.0	67.9		ug/L		114	75 - 125
Cadmium	3.5		50.0	56.5		ug/L		106	75 - 125
Chromium	120		100	200		ug/L		85	75 - 125
Cobalt	46		50.0	89.3		ug/L		87	75 - 125
Copper	120		100	200		ug/L		85	75 - 125
Iron	91000	J3	5000	87200	J3	ug/L		-67	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-35074-A-30-E MS
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	1.3	I	50.0	52.5		ug/L		102	75 - 125
Nickel	190	J3 V	100	264	J3	ug/L		73	75 - 125
Selenium	2.0	I J3	100	123		ug/L		121	75 - 125
Silver	0.25	U	50.0	50.7		ug/L		101	75 - 125
Sodium	5.6		5.00	9.81		mg/L		85	75 - 125
Thallium	0.50	U	40.0	40.9		ug/L		102	75 - 125
Tin	1.3	U	100	104		ug/L		104	75 - 125
Vanadium	84		100	174		ug/L		90	75 - 125
Zinc	1200	J3	100	1110	J3	ug/L		-55	75 - 125

Lab Sample ID: 640-35074-A-30-F MSD
Matrix: Water
Analysis Batch: 217095

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 217010

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	2.3	U J3	50.0	63.6	J3	ug/L		127	75 - 125	11	20
Arsenic	7.6		100	131		ug/L		123	75 - 125	11	20
Barium	3.0	I	100	123		ug/L		120	75 - 125	12	20
Beryllium	11	J3	50.0	74.3	J3	ug/L		127	75 - 125	9	20
Cadmium	3.5		50.0	62.2		ug/L		117	75 - 125	10	20
Chromium	120		100	227		ug/L		112	75 - 125	13	20
Cobalt	46		50.0	100		ug/L		109	75 - 125	11	20
Copper	120		100	228		ug/L		112	75 - 125	13	20
Iron	91000	J3	5000	93200	J3	ug/L		54	75 - 125	7	20
Lead	1.3	I	50.0	58.2		ug/L		114	75 - 125	10	20
Nickel	190	J3 V	100	300		ug/L		109	75 - 125	13	20
Selenium	2.0	I J3	100	133	J3	ug/L		131	75 - 125	7	20
Silver	0.25	U	50.0	56.7		ug/L		113	75 - 125	11	20
Sodium	5.6		5.00	10.5		mg/L		98	75 - 125	6	20
Thallium	0.50	U	40.0	45.6		ug/L		114	75 - 125	11	20
Tin	1.3	U	100	116		ug/L		116	75 - 125	11	20
Vanadium	84		100	197		ug/L		113	75 - 125	13	20
Zinc	1200	J3	100	1230	J3	ug/L		61	75 - 125	10	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-216961/1-A
Matrix: Water
Analysis Batch: 217068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		10/07/11 08:38	10/07/11 15:45	1

Lab Sample ID: LCS 680-216961/2-A
Matrix: Water
Analysis Batch: 217068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	2.50	3.02	J3	ug/L		121	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-73016-E-25-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 217068 — **Prep Batch: 216961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.091	U J3	1.00	1.20		ug/L		120	80 - 120

Lab Sample ID: 680-73016-E-25-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 217068 — **Prep Batch: 216961**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.091	U J3	1.00	1.17		ug/L		117	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 660-116185/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			10/12/11 10:16	1

Lab Sample ID: LCS 660-116185/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	10.0	9.55		mg/L		96	90 - 110

Lab Sample ID: 660-43801-X-3 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	39	J3	10.0	46.1	J3	mg/L		69	90 - 110

Lab Sample ID: 660-43801-X-3 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride	39	J3	10.0	46.1	J3	mg/L		70	90 - 110	0	30

Lab Sample ID: MB 660-116227/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			10/13/11 09:49	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 660-116227/4
Matrix: Water
Analysis Batch: 116227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	10.0	9.47		mg/L		95	90 - 110

Lab Sample ID: 660-44044-B-1 MS ^10
Matrix: Water
Analysis Batch: 116227

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	28	J3	100	116	J3	mg/L		88	90 - 110

Lab Sample ID: 660-44044-B-1 MSD ^10
Matrix: Water
Analysis Batch: 116227

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloride	28	J3	100	124		mg/L		96	90 - 110	7	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 660-116020/3
Matrix: Water
Analysis Batch: 116020

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.010	U	0.020	0.010	mg/L			10/07/11 14:15	1

Lab Sample ID: LCS 660-116020/4
Matrix: Water
Analysis Batch: 116020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia as N	0.500	0.520		mg/L		104	90 - 110

Lab Sample ID: 660-43901-2 MS
Matrix: Water
Analysis Batch: 116020

Client Sample ID: TH-75
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia as N	1.1		1.00	2.06		mg/L		93	90 - 110

Lab Sample ID: 660-43901-2 MSD
Matrix: Water
Analysis Batch: 116020

Client Sample ID: TH-75
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ammonia as N	1.1		1.00	2.08		mg/L		95	90 - 110	1	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-115898/14
Matrix: Water
Analysis Batch: 115898

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.10	U	0.50	0.10	mg/L			10/05/11 10:56	1

Lab Sample ID: LCS 660-115898/15
Matrix: Water
Analysis Batch: 115898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	1.00	1.02		mg/L		102	90 - 110
Nitrite as N	0.500	0.502		mg/L		100	90 - 110

Lab Sample ID: 660-43902-A-11 MS
Matrix: Water
Analysis Batch: 115898

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrate Nitrite as N	0.10	U	1.00	1.04		mg/L		104	90 - 110
Nitrite as N	0.10	U	0.500	0.518		mg/L		104	90 - 110

Lab Sample ID: 660-43902-A-11 MSD
Matrix: Water
Analysis Batch: 115898

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10	U	1.00	1.04		mg/L		104	90 - 110	0	30
Nitrite as N	0.10	U	0.500	0.524		mg/L		105	90 - 110	1	30

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 660-115903/1
Matrix: Water
Analysis Batch: 115903

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			10/05/11 13:35	1

Lab Sample ID: LCS 660-115903/2
Matrix: Water
Analysis Batch: 115903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Dissolved Solids	10000	9890		mg/L		99	80 - 120

Lab Sample ID: 660-43835-P-1 DU
Matrix: Water
Analysis Batch: 115903

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	48		50.0		mg/L		4	20

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 680-217277/1-A
Matrix: Water
Analysis Batch: 217401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 217277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		10/11/11 08:48	10/12/11 07:24	1

Lab Sample ID: LCS 680-217277/2-A
Matrix: Water
Analysis Batch: 217401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 217277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0301	0.0318		mg/L		106	90 - 110

Lab Sample ID: 680-73057-C-3-B MS
Matrix: Water
Analysis Batch: 217401

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 217277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0028	I J3	0.0323	0.0293	J3	mg/L		82	90 - 110

Lab Sample ID: 680-73057-C-3-C MSD
Matrix: Water
Analysis Batch: 217401

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 217277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0028	I J3	0.0323	0.0310	J3	mg/L		87	90 - 110	6	20

Lab Sample ID: 680-73042-D-1-B DU
Matrix: Water
Analysis Batch: 217401

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 217277

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	0.0025	U	0.0025	U	mg/L		NC	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 660-116035/1
Matrix: Water
Analysis Batch: 116035

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			10/08/11 11:20	1

Lab Sample ID: LCS 660-116035/2
Matrix: Water
Analysis Batch: 116035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide	20.0	18.6		mg/L		93	75 - 125

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCSD 660-116035/3
Matrix: Water
Analysis Batch: 116035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Sulfide	20.0	18.9		mg/L		94	75 - 125	2	25

GC/MS VOA

Analysis Batch: 115932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43900-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-43900-D-2 DU	Duplicate	Total/NA	Water	8260B	
660-43901-1	TH-74	Total/NA	Water	8260B	
660-43901-2	TH-75	Total/NA	Water	8260B	
660-43901-3	Blank, Equipment	Total/NA	Water	8260B	
660-43901-4	Blank, Travel	Total/NA	Water	8260B	
LCS 660-115932/2	Lab Control Sample	Total/NA	Water	8260B	
MB 660-115932/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 115881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43889-E-3-A MS	Matrix Spike	Total/NA	Water	3520C	
660-43889-G-2-A DU	Duplicate	Total/NA	Water	3520C	
660-43901-1	TH-74	Total/NA	Water	3520C	
660-43901-2	TH-75	Total/NA	Water	3520C	
660-43901-3	Blank, Equipment	Total/NA	Water	3520C	
LCS 660-115881/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 660-115881/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 116005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43889-E-3-A MS	Matrix Spike	Total/NA	Water	8270C/LL_PAH	115881
660-43889-G-2-A DU	Duplicate	Total/NA	Water	8270C/LL_PAH	115881
660-43901-1	TH-74	Total/NA	Water	8270C/LL_PAH	115881
660-43901-2	TH-75	Total/NA	Water	8270C/LL_PAH	115881
660-43901-3	Blank, Equipment	Total/NA	Water	8270C/LL_PAH	115881
LCS 660-115881/2-A	Lab Control Sample	Total/NA	Water	8270C/LL_PAH	115881
MB 660-115881/1-A	Method Blank	Total/NA	Water	8270C/LL_PAH	115881

Prep Batch: 116073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	3520C	
660-43901-2	TH-75	Total/NA	Water	3520C	
660-43901-2 MS	TH-75	Total/NA	Water	3520C	
660-43901-3	Blank, Equipment	Total/NA	Water	3520C	
660-43968-H-1-B DU	Duplicate	Total/NA	Water	3520C	
LCS 660-116073/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 660-116073/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 116226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8270C	116073
660-43901-2	TH-75	Total/NA	Water	8270C	116073
660-43901-2 MS	TH-75	Total/NA	Water	8270C	116073
660-43901-3	Blank, Equipment	Total/NA	Water	8270C	116073
660-43968-H-1-B DU	Duplicate	Total/NA	Water	8270C	116073
LCS 660-116073/2-A	Lab Control Sample	Total/NA	Water	8270C	116073
MB 660-116073/1-A	Method Blank	Total/NA	Water	8270C	116073

GC/MS Semi VOA (Continued)

Analysis Batch: 116419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8270C	116073
660-43901-2	TH-75	Total/NA	Water	8270C	116073
660-43901-2 MS	TH-75	Total/NA	Water	8270C	116073
660-43901-3	Blank, Equipment	Total/NA	Water	8270C	116073
660-43968-H-1-B DU	Duplicate	Total/NA	Water	8270C	116073
LCS 660-116073/2-A	Lab Control Sample	Total/NA	Water	8270C	116073
MB 660-116073/1-A	Method Blank	Total/NA	Water	8270C	116073

GC Semi VOA

Prep Batch: 85863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
560-28450-P-1-A MS	Matrix Spike	Total/NA	Water	3520C	
560-28450-P-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	
660-43901-1	TH-74	Total/NA	Water	3520C	
660-43901-2	TH-75	Total/NA	Water	3520C	
660-43901-3	Blank, Equipment	Total/NA	Water	3520C	
LCS 640-85863/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-85863/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-85863/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 85934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
560-28450-P-1-A MS	Matrix Spike	Total/NA	Water	8141A	85863
560-28450-P-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8141A	85863
660-43901-1	TH-74	Total/NA	Water	8141A	85863
660-43901-2	TH-75	Total/NA	Water	8141A	85863
660-43901-3	Blank, Equipment	Total/NA	Water	8141A	85863
LCS 640-85863/6-A	Lab Control Sample	Total/NA	Water	8141A	85863
LCSD 640-85863/7-A	Lab Control Sample Dup	Total/NA	Water	8141A	85863
MB 640-85863/1-A	Method Blank	Total/NA	Water	8141A	85863

Prep Batch: 115876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43886-C-1-B MS	Matrix Spike	Total/NA	Water	3510C	
660-43901-1	TH-74	Total/NA	Water	3510C	
660-43901-1 MS	TH-74	Total/NA	Water	3510C	
660-43901-2	TH-75	Total/NA	Water	3510C	
660-43901-2 DU	TH-75	Total/NA	Water	3510C	
660-43901-3	Blank, Equipment	Total/NA	Water	3510C	
660-43901-G-2-C MS	660-43901-G-2-C MS	Total/NA	Water	3510C	
LCS 660-115876/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-115876/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-115876/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 660-115876/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 115900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43886-C-1-B MS	Matrix Spike	Total/NA	Water	8081A	115876
660-43901-2	TH-75	Total/NA	Water	8081A	115876
660-43901-2 DU	TH-75	Total/NA	Water	8081A	115876
660-43901-3	Blank, Equipment	Total/NA	Water	8081A	115876

GC Semi VOA (Continued)

Analysis Batch: 115900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-G-2-C MS	660-43901-G-2-C MS	Total/NA	Water	8081A	115876
LCS 660-115876/2-A	Lab Control Sample	Total/NA	Water	8081A	115876
LCS 660-115876/3-A	Lab Control Sample	Total/NA	Water	8081A	115876
MB 660-115876/1-A	Method Blank	Total/NA	Water	8081A	115876

Prep Batch: 115931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8011	
660-43901-1 MS	TH-74	Total/NA	Water	8011	
660-43901-2	TH-75	Total/NA	Water	8011	
660-43901-2 DU	TH-75	Total/NA	Water	8011	
660-43901-3	Blank, Equipment	Total/NA	Water	8011	
LCS 660-115931/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-115931/1-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 115976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43782-M-2-A DU	Duplicate	Total/NA	Water	3510C	
660-43901-1	TH-74	Total/NA	Water	3510C	
660-43901-1 MS	TH-74	Total/NA	Water	3510C	
LCS 660-115976/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-115976/3-A	Lab Control Sample	Total/NA	Water	3510C	
MB 660-115976/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 115980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8011	115931
660-43901-1 MS	TH-74	Total/NA	Water	8011	115931
660-43901-2	TH-75	Total/NA	Water	8011	115931
660-43901-2 DU	TH-75	Total/NA	Water	8011	115931
660-43901-3	Blank, Equipment	Total/NA	Water	8011	115931
LCS 660-115931/2-A	Lab Control Sample	Total/NA	Water	8011	115931
MB 660-115931/1-A	Method Blank	Total/NA	Water	8011	115931

Analysis Batch: 116025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8082	115876
660-43901-1 MS	TH-74	Total/NA	Water	8082	115876
660-43901-2	TH-75	Total/NA	Water	8082	115876
660-43901-2 DU	TH-75	Total/NA	Water	8082	115876
660-43901-3	Blank, Equipment	Total/NA	Water	8082	115876
LCS 660-115876/4-A	Lab Control Sample	Total/NA	Water	8082	115876
MB 660-115876/1-A	Method Blank	Total/NA	Water	8082	115876

Analysis Batch: 116044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43782-M-2-A DU	Duplicate	Total/NA	Water	8081A	115976
660-43901-1	TH-74	Total/NA	Water	8081A	115976
660-43901-1 MS	TH-74	Total/NA	Water	8081A	115976
LCS 660-115976/2-A	Lab Control Sample	Total/NA	Water	8081A	115976
LCS 660-115976/3-A	Lab Control Sample	Total/NA	Water	8081A	115976
MB 660-115976/1-A	Method Blank	Total/NA	Water	8081A	115976

GC Semi VOA (Continued)

Prep Batch: 217131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8151A	
660-43901-2	TH-75	Total/NA	Water	8151A	
660-43901-3	Blank, Equipment	Total/NA	Water	8151A	
680-72624-A-1-J MS	Matrix Spike	TCLP	Water	8151A	
680-72624-A-1-K MSD	Matrix Spike Duplicate	TCLP	Water	8151A	
LCS 680-217131/20-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-217131/19-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 217663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	8151A	217131
660-43901-2	TH-75	Total/NA	Water	8151A	217131
660-43901-3	Blank, Equipment	Total/NA	Water	8151A	217131
680-72624-A-1-J MS	Matrix Spike	TCLP	Water	8151A	217131
680-72624-A-1-K MSD	Matrix Spike Duplicate	TCLP	Water	8151A	217131
LCS 680-217131/20-A	Lab Control Sample	Total/NA	Water	8151A	217131
MB 680-217131/19-A	Method Blank	Total/NA	Water	8151A	217131

Metals

Prep Batch: 216961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	7470A	
660-43901-2	TH-75	Total/NA	Water	7470A	
660-43901-3	Blank, Equipment	Total/NA	Water	7470A	
680-73016-E-25-B MS	Matrix Spike	Total/NA	Water	7470A	
680-73016-E-25-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-216961/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-216961/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 217010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-35074-A-30-E MS	Matrix Spike	Total Recoverable	Water	3005A	
640-35074-A-30-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-43901-1	TH-74	Total Recoverable	Water	3005A	
660-43901-2	TH-75	Total Recoverable	Water	3005A	
660-43901-3	Blank, Equipment	Total Recoverable	Water	3005A	
LCS 680-217010/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-217010/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 217068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	7470A	216961
660-43901-2	TH-75	Total/NA	Water	7470A	216961
660-43901-3	Blank, Equipment	Total/NA	Water	7470A	216961
680-73016-E-25-B MS	Matrix Spike	Total/NA	Water	7470A	216961
680-73016-E-25-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	216961
LCS 680-216961/2-A	Lab Control Sample	Total/NA	Water	7470A	216961
MB 680-216961/1-A	Method Blank	Total/NA	Water	7470A	216961

Metals (Continued)

Analysis Batch: 217095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-35074-A-30-E MS	Matrix Spike	Total Recoverable	Water	6020A	217010
640-35074-A-30-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	217010
660-43901-1	TH-74	Total Recoverable	Water	6020A	217010
660-43901-2	TH-75	Total Recoverable	Water	6020A	217010
660-43901-3	Blank, Equipment	Total Recoverable	Water	6020A	217010
LCS 680-217010/2-A	Lab Control Sample	Total Recoverable	Water	6020A	217010
MB 680-217010/1-A	Method Blank	Total Recoverable	Water	6020A	217010

General Chemistry

Analysis Batch: 115898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	353.2	
660-43901-2	TH-75	Total/NA	Water	353.2	
660-43901-3	Blank, Equipment	Total/NA	Water	353.2	
660-43902-A-11 MS	Matrix Spike	Total/NA	Water	353.2	
660-43902-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	
LCS 660-115898/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-115898/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 115903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43835-P-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-43901-1	TH-74	Total/NA	Water	SM 2540C	
660-43901-2	TH-75	Total/NA	Water	SM 2540C	
660-43901-3	Blank, Equipment	Total/NA	Water	SM 2540C	
LCS 660-115903/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-115903/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 116020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	350.1	
660-43901-2	TH-75	Total/NA	Water	350.1	
660-43901-2 MS	TH-75	Total/NA	Water	350.1	
660-43901-2 MSD	TH-75	Total/NA	Water	350.1	
660-43901-3	Blank, Equipment	Total/NA	Water	350.1	
LCS 660-116020/4	Lab Control Sample	Total/NA	Water	350.1	
MB 660-116020/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 116035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	SM 4500 S2 F	
660-43901-2	TH-75	Total/NA	Water	SM 4500 S2 F	
660-43901-3	Blank, Equipment	Total/NA	Water	SM 4500 S2 F	
LCS 660-116035/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 660-116035/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	
MB 660-116035/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 116185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43801-X-3 MS	Matrix Spike	Total/NA	Water	300.0	
660-43801-X-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 116185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-2	TH-75	Total/NA	Water	300.0	
660-43901-3	Blank, Equipment	Total/NA	Water	300.0	
LCS 660-116185/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-116185/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 116227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	300.0	
660-44044-B-1 MS ^10	Matrix Spike	Total/NA	Water	300.0	
660-44044-B-1 MSD ^10	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 660-116227/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-116227/3	Method Blank	Total/NA	Water	300.0	

Prep Batch: 217277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	Distill/CN	
660-43901-2	TH-75	Total/NA	Water	Distill/CN	
660-43901-3	Blank, Equipment	Total/NA	Water	Distill/CN	
680-73042-D-1-B DU	Duplicate	Total/NA	Water	Distill/CN	
680-73057-C-3-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
680-73057-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	
LCS 680-217277/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 680-217277/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 217401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	SM 4500 CN E	217277
660-43901-2	TH-75	Total/NA	Water	SM 4500 CN E	217277
660-43901-3	Blank, Equipment	Total/NA	Water	SM 4500 CN E	217277
680-73042-D-1-B DU	Duplicate	Total/NA	Water	SM 4500 CN E	217277
680-73057-C-3-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	217277
680-73057-C-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	217277
LCS 680-217277/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	217277
MB 680-217277/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	217277

Field Service / Mobile Lab

Analysis Batch: 115887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43901-1	TH-74	Total/NA	Water	Field Sampling	
660-43901-2	TH-75	Total/NA	Water	Field Sampling	

Client Sample ID: TH-74

Lab Sample ID: 660-43901-1

Date Collected: 10/04/11 10:29

Matrix: Water

Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115932	10/06/11 14:03	EC	TAL TAM
Total/NA	Prep	3520C			115881	10/05/11 09:58	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	116005	10/06/11 20:52	SCC	TAL TAM
Total/NA	Prep	3520C			116073	10/10/11 13:27	BK	TAL TAM
Total/NA	Analysis	8270C		1	116226	10/12/11 15:20	SCC	TAL TAM
Total/NA	Analysis	8270C		1	116419	10/12/11 15:20	SCC	TAL TAM
Total/NA	Prep	3520C			85863	10/10/11 17:30	MS	TAL TAL
Total/NA	Analysis	8141A		1	85934	10/12/11 15:34	MLT	TAL TAL
Total/NA	Prep	8011			115931	10/06/11 09:33	JB	TAL TAM
Total/NA	Analysis	8011		1	115980	10/06/11 15:28	JB	TAL TAM
Total/NA	Prep	3510C			115876	10/05/11 09:02	AG	TAL TAM
Total/NA	Analysis	8082		1	116025	10/07/11 17:44	JB	TAL TAM
Total/NA	Prep	3510C			115976	10/07/11 06:47	AG	TAL TAM
Total/NA	Analysis	8081A		1	116044	10/07/11 14:05	JLS	TAL TAM
Total/NA	Prep	8151A			217131	10/10/11 08:16	CTR	TAL SAV
Total/NA	Analysis	8151A		1	217663	10/13/11 07:37	WTE	TAL SAV
Total/NA	Prep	7470A			216961	10/07/11 08:38	JKL	TAL SAV
Total/NA	Analysis	7470A		1	217068	10/07/11 19:00	CE	TAL SAV
Total Recoverable	Prep	3005A			217010	10/07/11 12:21	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	217095	10/08/11 07:56	BB	TAL SAV
Total/NA	Analysis	353.2		1	115898	10/05/11 11:11	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	115903	10/05/11 13:35	TO	TAL TAM
Total/NA	Analysis	350.1		1	116020	10/07/11 14:47	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	116035	10/08/11 11:20	EM	TAL TAM
Total/NA	Analysis	300.0		2	116227	10/13/11 10:36	TS	TAL TAM
Total/NA	Prep	Distill/CN			217277	10/11/11 08:48	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	217401	10/12/11 07:32	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	115887	10/04/11 10:29		TAL TAM

Client Sample ID: TH-75

Lab Sample ID: 660-43901-2

Date Collected: 10/04/11 11:23

Matrix: Water

Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115932	10/06/11 14:23	EC	TAL TAM
Total/NA	Prep	3520C			115881	10/05/11 09:58	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	116005	10/06/11 21:10	SCC	TAL TAM
Total/NA	Prep	3520C			116073	10/10/11 13:27	BK	TAL TAM
Total/NA	Analysis	8270C		1	116226	10/12/11 15:46	SCC	TAL TAM
Total/NA	Analysis	8270C		1	116419	10/12/11 15:46	SCC	TAL TAM
Total/NA	Prep	3520C			85863	10/10/11 17:30	MS	TAL TAL
Total/NA	Analysis	8141A		1	85934	10/12/11 15:50	MLT	TAL TAL
Total/NA	Prep	3510C			115876	10/05/11 09:02	AG	TAL TAM
Total/NA	Analysis	8081A		1	115900	10/05/11 15:54	JLS	TAL TAM

Client Sample ID: TH-75

Lab Sample ID: 660-43901-2

Date Collected: 10/04/11 11:23

Matrix: Water

Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	8011			115931	10/06/11 09:33	JB	TAL TAM
Total/NA	Analysis	8011		1	115980	10/06/11 16:08	JB	TAL TAM
Total/NA	Analysis	8082		1	116025	10/07/11 18:00	JB	TAL TAM
Total/NA	Prep	8151A			217131	10/10/11 08:16	CTR	TAL SAV
Total/NA	Analysis	8151A		1	217663	10/13/11 07:53	WTE	TAL SAV
Total/NA	Prep	7470A			216961	10/07/11 08:38	JKL	TAL SAV
Total/NA	Analysis	7470A		1	217068	10/07/11 18:52	CE	TAL SAV
Total Recoverable	Prep	3005A			217010	10/07/11 12:21	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	217095	10/08/11 08:04	BB	TAL SAV
Total/NA	Analysis	353.2		1	115898	10/05/11 11:12	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	115903	10/05/11 13:35	TO	TAL TAM
Total/NA	Analysis	350.1		1	116020	10/07/11 14:17	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	116035	10/08/11 11:20	EM	TAL TAM
Total/NA	Analysis	300.0		1	116185	10/12/11 15:53	TS	TAL TAM
Total/NA	Prep	Distill/CN			217277	10/11/11 08:48	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	217401	10/12/11 07:33	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	115887	10/04/11 11:23		TAL TAM

Client Sample ID: Blank, Equipment

Lab Sample ID: 660-43901-3

Date Collected: 10/04/11 10:02

Matrix: Water

Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115932	10/06/11 11:40	EC	TAL TAM
Total/NA	Prep	3520C			115881	10/05/11 09:58	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	116005	10/06/11 21:29	SCC	TAL TAM
Total/NA	Prep	3520C			116073	10/10/11 13:27	BK	TAL TAM
Total/NA	Analysis	8270C		1	116226	10/12/11 16:12	SCC	TAL TAM
Total/NA	Analysis	8270C		1	116419	10/12/11 16:12	SCC	TAL TAM
Total/NA	Prep	3520C			85863	10/10/11 17:30	MS	TAL TAL
Total/NA	Analysis	8141A		1	85934	10/12/11 16:05	MLT	TAL TAL
Total/NA	Prep	3510C			115876	10/05/11 09:02	AG	TAL TAM
Total/NA	Analysis	8081A		1	115900	10/05/11 16:08	JLS	TAL TAM
Total/NA	Prep	8011			115931	10/06/11 09:33	JB	TAL TAM
Total/NA	Analysis	8011		1	115980	10/06/11 17:49	JB	TAL TAM
Total/NA	Analysis	8082		1	116025	10/07/11 18:15	JB	TAL TAM
Total/NA	Prep	8151A			217131	10/10/11 08:16	CTR	TAL SAV
Total/NA	Analysis	8151A		1	217663	10/13/11 08:09	WTE	TAL SAV
Total/NA	Prep	7470A			216961	10/07/11 08:38	JKL	TAL SAV
Total/NA	Analysis	7470A		1	217068	10/07/11 18:56	CE	TAL SAV
Total Recoverable	Prep	3005A			217010	10/07/11 12:21	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	217095	10/08/11 08:11	BB	TAL SAV
Total/NA	Analysis	353.2		1	115898	10/05/11 11:13	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	115903	10/05/11 13:35	TO	TAL TAM

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Client Sample ID: Blank, Equipment

Lab Sample ID: 660-43901-3

Date Collected: 10/04/11 10:02
Matrix: Water
Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	116020	10/07/11 14:21	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	116035	10/08/11 11:20	EM	TAL TAM
Total/NA	Analysis	300.0		1	116185	10/12/11 16:08	TS	TAL TAM
Total/NA	Prep	Distill/CN			217277	10/11/11 08:48	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	217401	10/12/11 07:34	DAM	TAL SAV

Client Sample ID: Blank, Travel

Lab Sample ID: 660-43901-4

Date Collected: 10/04/11 10:00
Matrix: Water
Date Received: 10/04/11 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115932	10/06/11 12:00	EC	TAL TAM

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC Secondary AB	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Certification Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	USDA		P330-08-00158

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270C/LL_PAH	Low Level PAH's	SW846	TAL TAM
8011	EDB and DBCP in Water by Microextraction	EPA	TAL TAM
8081A	Organochlorine Pesticides (GC)	SW846	TAL TAM
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL TAM
8141A	Organophosphorous Pesticides (GC)	SW846	TAL TAL
8151A	Herbicides (GC)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL TAM
350.1	Nitrogen, Ammonia	MCAWW	TAL TAM
353.2	Nitrate	MCAWW	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
SM 4500 CN E	Cyanide, Total	SM	TAL SAV
SM 4500 S2 F	Sulfide, Total	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Landfill

TestAmerica Job ID: 660-43901-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43901-1	TH-74	Water	10/04/11 10:29	10/04/11 14:30
660-43901-2	TH-75	Water	10/04/11 11:23	10/04/11 14:30
660-43901-3	Blank, Equipment	Water	10/04/11 10:02	10/04/11 14:30
660-43901-4	Blank, Travel	Water	10/04/11 10:00	10/04/11 14:30

660-43901

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____ | _____

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 9-29-11 | 2:43

LOCATION: **TH-74 WACS#** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☒ A.Balloon ☐ JF ☐

WELL DIAMETER: 2 INCH:
TOTAL DEPTH OF WELL: 17.00 Ft.
DEPTH TO WATER: 9.69 Ft.
LENGTH OF WATER COL: 7.31 Ft.
VOLUME TO PURGE: 1.17 Gal.

	DATE	TIME
PURGE STARTED:	10-4-11	10:15
PURGE RATE:	0.20 GPM.	
PURGE ENDED:	10-4-11	10:29
ACT. VOL. PURGED:	2.8 GAL.	
Draw Down:	10.42	

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JL AB	10:25	24.18	484	5.75	2.05	27.2 =
JC AB	10:27	24.15	492	5.75	2.11	19.3
JC AB	10:25	24.14	497	5.74	2.04	13.1

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	6	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

27 **TOTAL No. OF SAMPLES COLLECTED:**

Colors and Sheens No

COLLECTED
DATE | TIME
10-4-11 10:29

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Nitrate Mercury

40CFR Part 258, Appendix II

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 10-4-11 | 2:30
ACCEPTED BY: Carol McNulty REP. OF CONTRACT LAB. 10-4-11 | 2:30

COMMENT`S: _____

4.9 5.1 4.7 4.4°C

CM 10/26/2011

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____ | _____

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 9-29-11 2:43

LOCATION: **TH-75 WACS#** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☒ A.Balloon ☑ JC ☐

WELL DIAMETER: 2 INCH:

			DATE	TIME
TOTAL DEPTH OF WELL:	17.00 Ft.	PURGE STARTED:	10-4-11	11:11
DEPTH TO WATER:	7.69 Ft.	PURGE RATE:	0.20 GPM.	
LENGTH OF WATER COL:	9.31 Ft.		DATE	TIME
VOLUME TO PURGE:	1.49 Gal.	PURGE ENDED:	10-4-11	
		ACT. VOL. PURGED:	2.4 GAL.	
		Draw Down:	8.05	

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JC AB	11:19	24.39	307	5.62	1.88	18.9 =
JC AB	11:21	24.36	307	5.62	1.87	16.9
JC AB	11:23	24.35	309	5.62	1.84	15.3

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	6	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

27 **TOTAL No. OF SAMPLES COLLECTED:**

Colors and Sheens No

COLLECTED DATE | TIME 10-4-11 11:23

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Nitrate Mercury

40CFR Part 258, Appendix II

PRESERVED SAMPLES PH < 2.0 Y/S SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME

RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 10-4-11 2:30

ACCEPTED BY: David McAnulty REP. OF CONTRACT LAB. 10-4-11 2:30

COMMENT`S: _____

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

MONITORING WELLS BLANK, EQUIPMENT

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____ | _____

ACCEPTED BY: Jim Clayton REP. OF SOLID WASTE DEPT. 9:29 | 2:43

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

PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ A.Balloon ☑ J.Clayton ☐

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	6	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

27 **TOTAL No. OF SAMPLES COLLECTED:**

COLLECTED
DATE | TIME
10.4.11 | 10:02

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Nitrate Mercury

40CFR Part 258, Appendix II

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

ABOVE LISTED SAMPLES: DATE | TIME

RELINQUISHED BY: Jim Clayton REP. OF SOLID WASTE DEPT. 10.4.11 | 2:30

ACCEPTED BY: Carl McNulty REP. OF CONTRACT LAB. 10.4.11 | 2:30

COMMENT`S: _____

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

MONITORING WELLS BLANK, EQUIPMENT

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____ | _____

ACCEPTED BY: J. Clayton REP. OF SOLID WASTE DEPT. 9.29.11 | 2:43

LOCATION: **BLANK, TRAVEL** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ A.Balloon ☑ J Clayton ☐

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
1	40 ml VIAL		40 ml VIAL	
1	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC		250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

1 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
10.4.11 | 10:00

ANALYSIS REQUESTED:

EPA 6860

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: J. Clayton REP. OF SOLID WASTE DEPT. 10.4.11 | 2:30
ACCEPTED BY: Carol McNulty REP. OF CONTRACT LAB. 10.4.11 | 2:30

COMMENT`S: _____

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-43901-1

Login Number: 43901
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.9, 5.1, 4.7, 4.4 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-43901-1

Login Number: 43901
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 10/05/11 01:41 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-43901-1

Login Number: 43901
List Number: 1
Creator: Osborne, Alicia

List Source: TestAmerica Tallahassee
List Creation: 10/06/11 10:19 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Morris, John R.

From: Morris, John R.
Sent: Wednesday, April 06, 2011 4:25 PM
To: Dave Adams (adamsds@hillsboroughcounty.org)
Cc: Patricia Berry (BerryP@hillsboroughcounty.org); Larry Ruiz (RuizLE@hillsboroughcounty.org); Pelz, Susan; Morgan, Steve
Subject: Hillsborough Southeast County Landfill -- Initial Assessment Monitoring Plan [IAMP], Report # 5

Dave:

The Department has reviewed the County's letter dated March 16, 2011, received March 22, 2011, re: "Southeast County Landfill, Laboratory Analytical Results, Initial Assessment Monitoring Plan, Report #5." The requested reduction in frequency for conducting future IAMP sampling events is **approved**, subject to the following conditions:

1. The next IAMP sampling event has been scheduled to be conducted during April 7, and April 8, 2011. Subsequent IAMP sampling events shall be conducted during the first week of each following month, beginning with May 2011.

2. Surficial aquifer wells to be included in the monthly IAMP sampling events follow – TH-28A, TH-57, TH-58, TH-73 and P-18S [in the event that field measured turbidity at the end of purging P-18S exceeds 20 NTU, the County may substitute well TH-30]; Floridan aquifer wells to be included in the monthly IAMP sampling events follow – TH-19, TH-40, TH-42, TH-72, Supply-1 and Supply-2.

3. Analytical parameters to be included in the monthly IAMP sampling events follow – field parameters measured during well purging [temperature, specific conductivity, pH, dissolved oxygen and turbidity], ammonia, chloride, TDS, arsenic, iron and sodium. In the event that field measured turbidity at the end of purging TH-42 exceeds 20 NTU, the County may collect unfiltered and filtered samples for the analysis of metals [iron and sodium], otherwise unfiltered samples shall be collected for laboratory analysis.

4. Reports of results for the monthly IAMP sampling events shall be submitted to the Department within 7 days of receipt of the final laboratory analytical results. The report of results shall include:
   - Ground water elevation measurements
   - Ground water surface elevation contour map
   - Sampling logs [results of field measurements conducted during well purging]
   - Laboratory analytical report of results
   - ADaPT-compatible files for field measurements, laboratory results, and error logs; the ADaPT-compatible files may be transmitted via CD or via e-mail.

Your assistance in this matter is appreciated. Please contact me if you have questions about this message.

John

****

John R. Morris, P.G.
FDEP SW District Office, Solid Waste Section
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336
E-mail: john.r.morris@dep.state.fl.us

DATA REVIEWED TO SUPPORT IAMP EVENT FREQ REDUCTION FROM WEEKLY TO MONTHLY

TO: DAVE, PATTY BERLEY, LARRY, GWIZ, SJP, SGM, WIC?, ICT?

Morris, John R.

Subject: Hillsborough Southeast County Landfill -- Initial Assessment Monitoring Plan [IAMP], Report # 5

yes yes X X

Dave:

The Department has reviewed the County's letter dated March 16, 2011, received March 22, 2011, re: "Southeast County Landfill, Laboratory Analytical Results, Initial Assessment Monitoring Plan, Report #5." The requested reduction in frequency for conducting future IAMP sampling events is **approved**, subject to the following conditions:

1. The next IAMP sampling event has been scheduled to be conducted during April 7, and April 8, 2011. Subsequent IAMP sampling events shall be conducted during the first week of each following month, beginning with May 2011.

2. Surficial aquifer wells to be included in the monthly IAMP sampling events follow – TH-28A, TH-57, TH-58, TH-73 and P-18S [in the event that field measured turbidity at the end of purging P-18S exceeds 20 NTU, the County may substitute well TH-30]; Floridan aquifer wells to be included in the monthly IAMP sampling events follow – TH-19, TH-40, TH-42, TH-72, Supply-1 and Supply-2.

3. Analytical parameters to be included in the monthly IAMP sampling events follow – field parameters measured during well purging [temperature, specific conductivity, pH, dissolved oxygen and turbidity], ammonia, chloride, TDS, arsenic, iron and sodium. In the event that field measured turbidity at the end of purging TH-42 exceeds 20 NTU, the County may collect unfiltered and filtered samples for the analysis of metals [iron and sodium], otherwise unfiltered samples shall be collected for laboratory analysis.

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   - Sampling logs [results of field measurements conducted during well purging]
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   - ADaPT-compatible files for field measurements, laboratory results, and error logs; the ADaPT-compatible files may be transmitted via CD or via e-mail.

Your assistance in this matter is appreciated. Please contact me if you have questions about this message.

John

****

John R. Morris, P.G.
FDEP SW District Office, Solid Waste Section
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336
E-mail: john.r.morris@dep.state.fl.us

good

4/6/11 @ 1340

TELECON W/ DAVE ADAMS

IAMP STATUS

IAMP #5 CONCLUSIONS

- REQUEST REDUCTION IN SAMPLING FREQUENCY FROM WEEKLY TO MONTHLY
- KEEP WELLS THE SAME
  - P-18S TURBIDITY > 20 NTU → USE TH-3D
- PARAMETERS
  - SODIUM, AMMONIA, CHLORIDE, TDS
  - ADD ARSENIC & IRON
- TH-42 - IF HAVE TURBIDITY > 20 NTU, DO FILT- & UNFILTERED FOR METALS
- SAMPLING 4/7 & 4/8
- FUTURE MONTHLY EVENTS FIRST WEEK OF MONTH
- ARSENIC AT TH-5B
  - ADDRESS ADD'L INVESTIGATION OF ARSENIC IN QUARTERLY REPORT (DUE 4/15/11)
  - IF COUNTY PROPOSES TO INSTALL COMPLIANCE WELLS DOWNGRADIENT OF TH-7B & TH-5B THEN WE DON'T NEED TO PURSUE "EVIL MONITORING DEMAND LETTER"

File name: SELF_IAMP_closeup
3C2
TH-40 - Floridan aquifer
TH-22A - Surficial aquifer background
TH-57 - Surficial aquifer detection
3C2 - Surface water sampling location
PPS-A - Leachate collection for Phases I-VI
3B2B
TH-42
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 1 / 10
Chromium -- 1 / 10
Iron -- 10 / 10
Lead -- 9 / 10
Vanadium -- 1 / 2
TH-30
pH -- 6 / 6
Arsenic -- 0 / 6
Cadmium -- 0 / 6
Chromium -- 0 / 6
Iron -- 0 / 6
Lead -- 0 / 6
Vanadium -- N/A
TH-58
pH -- 12 / 12
Arsenic -- 10 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-73
pH -- 8 / 8
Arsenic -- 0 / 8
Cadmium -- 0 / 8
Chromium -- 0 / 8
Iron -- 8 / 8
Lead -- 0 / 8
Vanadium -- 0 / 1
TH-72
pH -- 0 / 8
Arsenic -- 0 / 8
Cadmium -- 0 / 8
Chromium -- 0 / 8
Iron -- 8 / 8
Lead -- 0 / 8
Vanadium -- 0 / 2
PPS-A
P-18S
pH -- 7 / 7
Arsenic -- 0 / 5
Cadmium -- 1 / 5
Chromium -- 0 / 5
Iron -- 5 / 5
Lead -- 1 / 5
Vanadium -- 1 / 2
Approx. sinkhole location
@ -82.1882, 27.7764
TH-19
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 0 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-28A
pH -- 12 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-57
pH -- 12 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-40
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 0 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
SUP-1
pH -- 0 / 11
Arsenic -- 0 / 9
Cadmium -- 0 / 9
Chromium -- 0 / 9
Iron -- 0 / 9
Lead -- 1 / 9
Vanadium -- N/A
SUP-2
pH -- 0 / 11
Arsenic -- 0 / 9
Cadmium -- 0 / 9
Chromium -- 0 / 9
Iron -- 0 / 9
Lead -- 0 / 9
Vanadium -- N/A
3A
TH-22A
# of exceedances of standards / # of IAMP sampling events
Updated through IAMP event #12, sampled 3/10 & 3/11/11

IAMP EVENTS AT HILLSBOROUGH SE LANDFILL

4/6/11 CY SSP

METALS

- ELEVATED TURBIDITY AT P-18S & TH-42 PRODUCED METALS EXCEEDANCES IN EVENT #1 (FULL CLASS I PARAMETER LIST)
  - ADDED SUPPLEMENTAL PARAMETERS STARTING EVENT #4 (ARSENIC, CADMIUM, CHROMIUM, IRON, LEAD)
  - SUBSTITUTED TH-30 FOR P-18S STARTING EVENT # 7
  - ANALYZED FILTERED/UNFILTERED SAMPLES DURING EVENT # 11

P-18S - CADMIUM - 1-TIME EXCEEDANCE
IRON - PERSISTENT
LEAD - 1-TIME EXCEEDANCE
VANADIUM - 1-TIME EXCEEDANCE

TH-42 - CADMIUM - 1-TIME EXCEEDANCE
CHROMIUM - 1-TIME EXCEEDANCE
IRON - PERSISTENT
LEAD - PERSISTENT; BELOW STANDARD 1 EVENT; NOT DETECTED IN FILTERED SAMPLE [EVENT #11]
VANADIUM - 1-TIME EXCEEDANCE

SUPPLY WELL #1
LEAD - 1-TIME EXCEEDANCE DURING EVENT # 10 NOT CONFIRMED BY RESULTS FOR EVENTS # 11 AND #12

- ARSENIC EXCEEDANCES REPORTED FOR TH-58 NOT REPORTED AT OTHER DOWNGRADIENT WELLS
- IRON CONCENTRATIONS AT NEW SURFICIAL AQUIFER WELL TH-73 EXCEED OTHER SURFICIAL AQUIFER DETECTION WELLS
- IRON CONCENTRATIONS AT NEW FLORIDAN AQUIFER WELL TH-72 CONSIDERABLY HIGHER THAN OTHER FLORIDAN WELLS
- SODIUM CONCENTRATIONS AT TH-58 DIFFERENT PATTERN THAN AT OTHER SURFICIAL AQUIFER WELLS
- SODIUM CONCENTRATIONS AT TH-72 & TH-73 SLIGHTLY HIGHER THAN OTHER WELLS

INORGANIC PARAMETERS

- AMMONIA AT TH-72 SIMILAR TO TH-19 & TH-40
- AMMONIA AT TH-73 WAS HIGHER THAN OTHER SURFICIAL AQUIFER DETECTION WELLS & EXCEEDED THE MINIMUM CRITERION DURING EVENT # 10; THERE HAVE BEEN HISTORICAL EXCEEDANCES OF AMMONIA REPORTED AT TH-28/28A [3/03, 2/06, 8/06, 2/07] AND AT TH-58 [8/06]
- CHLORIDE CONCENTRATIONS AT TH-58 DIFFERENT PATTERN THAN AT OTHER SURFICIAL AQUIFER WELLS
- CHLORIDE CONCENTRATIONS HAVE PERIODICALLY INCREASED AT TH-38; ELEVATED ABOVE BACKGROUND SINCE AUG 2004 EVENT WITH "PULSES" THAT DO NOT APPEAR TO BE RELATED TO WIC
- MOST RECENT INCREASE IN CHLORIDE AT TH-58 WAS NOTED FOR THE NOV. 2010 EVENT, BEFORE THE WIC WAS ASSOCIATED WITH FREEZE-PROTECTION IRRIGATION IN DEC 2010; CHLORIDE PEAKED IN IAMP EVENT #1 & HAS DROPPED THROUGH IAMP EVENT #12
- CHLORIDE AT TH-73 BRACKETED BY OTHER SURFICIAL AQUIFER DETECTION WELLS
- CHLORIDE AT TH-72 IS CONSISTENTLY HIGHER THAN OTHER FLORIDAN WELLS, BUT WELL BELOW THE STANDARD, NO TREND
- TDS PATTERN IN SURFICIAL AQUIFER WELLS IS SIMILAR TO CHLORIDE

ORGANICS

- BIS(2-ETHYLHEXYL) PHTHALATE EXCEEDANCE IN INITIAL EVENT AT TH-73 [IAMP EVENT #5] WAS NOT CONFIRMED BY RESULTS REPORTED FOR IAMP EVENTS # 9, #10, #11, #12
- TOLUENE AND XYLENES DETECTIONS IN INITIAL EVENT AT TH-73 [IAMP EVENT #5] WERE NOT REPEATED BY RESULTS REPORTED FOR IAMP EVENTS # 9, #10, #11, #12

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road, MS 4555
Tallahassee, Florida 32399-2400

DEP Form #: 62-701 900(7), F.A.C.
Form Title: Annual Report for a Construction and Demolition Debris Facility
Effective Date: January 6, 2010
Incorporated in Rule 62-701 710(9), F.A.C.

Annual Report for a Construction and Demolition Debris Facility

NOTE: Use one of these forms for each county from which the facility received materials

1. **Company Name:**_____
2. **Name of Facility:**_____ ☐ **Landfill** ☐ **MRF** ☐ **TS**
3. **Physical Address:**_____
4. **Mailing Address:**_____
5. **County Location:**_____
6. **Debris County of Origin:**_____
7. **Company Contact:**_____
   (the individual responsible for this information)
8. **Phone Number:**_____ **E-Mail:**_____

MATERIAL TYPES	MATERIALS RECOVERED	TOTAL TONS RECYCLED (SHIPPED)
ASPHALT	Used for_____	Subtotal Asphalt_____
CONCRETE	**Source: Roads, Bridges, Sidewalks, Curbs** **Source: Building Construction/Demolition:** Used for fill (lake or land) Used for Road base Other Use_____	_____ _____ _____ _____ Subtotal Concrete _____
FINES / RECOVERED SCREEN MATERIALS	Used for_____	Subtotal Fines / RSM _____
WOOD	Daily/Intermediate Cover Waste-to-Energy fuel (see pg.2 for facility list) Other processed fuel Mulch, compost Final cover Other Use_____	_____ _____ _____ _____ _____ _____ Subtotal Wood _____
LAND CLEARING DEBRIS	Daily/Intermediate Cover Waste-to-Energy fuel (see pg.2 for facility list) Other processed fuel Mulch, compost Final cover Other Use_____	_____ _____ _____ _____ _____ _____ Subtotal Land Clearing Debris _____
DRYWALL	All	Subtotal Drywall _____
SHINGLES/ROOFING	How used?_____	Subtotal Shingles/Roofing _____
		Subtotal Page 1 _____ Subtotal Page 2 _____

9. **TOTAL TONS OF C&D DEBRIS RECYCLED** *(add subtotals page 1 & 2 above)*:_____
10. **TOTAL TONS OF C&D DEBRIS DISPOSED** *(all debris landfilled)*: ☐ **on-site** ☐ **off-site**_____

Signature (authorized Representative) | Title | Date

Print Name

IAMP PROPOSAL DATED 12/22/10

PHASE I -

- GW, SW, PRIVATE WELL SAMPLING
- 1-TIME EVENT FOR PERMIT CONDITION #EHC PARAMETERS [CONDUCTED 12/21 & 12/22/10]

PHASE II

- INSTALL SURFICIAL AQUIFER (TH-73) AND FLORIDAN AQUIFER (TH-72) MON WELLS
- INSTALLED 1/14/11 ; SURVEYED 1/18/11 ; COMPLETION REPORT SUBMITTED VIA HDR LETTER DATED 2/2/11

PHASE III

- INCLUDE WELLS TH-72 & TH-73 IN IAMP EVENTS [INCLUDED IN IAMP EVENTS # 5 THROUGH # 12]
- SAMPLE MAGAN GROVES IRRIGATION WELLS [4 IRRIGATION WELLS INCLUDED IN IAMP EVENT # 3 ; MAGAN GROVES SUPPLY WELL INCLUDED IN IAMP EVENT #6]

- WEEKLY WL MEASUREMENTS
- WEEKLY GW SAMPLING @ P-18S, TH-28A, TH-57, TH-58 + TH-19, TH-40, TH-42 + 2 NON MON WELLS TH-72, TH-73 + 2 ON-SITE SUPPLY WELLS NOW PHASES I-II SUP-1, SUP-2

IAMP REPORT #5 DATED 3/16/11

CONCLUSIONS

- NO IMPACT TO GW IN SURFICIAL OR FLORIDAN AQUIFERS HAS BEEN OBSERVED
- ANY CONTAMINATION WOULD TAKE A LONG TIME TO MOVE TO THE MONITOR WELLS

RECOMMENDATIONS

- REDUCE IAMP EVENT FREQUENCY FROM WEEKLY TO MONTHLY

→ SAME WELL LOCATIONS IN WEEKLY TO MONTHLY

- P-18S SAMPLE IF CAN GET TURBIDITY BELOW 20 NTU OTHERWISE TH-30

→ PARAMETERS:

- TH-42 ~~QUARTERLY~~ FOR IAMP PARAMETERS [FILT & UNFILTERED IF TURB > 20]
- BIG 4 + IRON + ARSENIC

IAMP PARAMETERS

FIELD MEASUREMENTS
SODIUM
AMMONIA
CHLORIDE
TDS

DEP REQUESTED ADDITION OF

ARSENIC
CADMIUM
CHROMIUM
IRON
LEAD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TRENDS ✓ (except Cl)

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 2/24 & 2/25/11
GW Contour Map -- N
Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells: TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	Notes (as needed)
Field Measurements													
Depth to Water	Ft below TOC										NA	NA	W/L measured on 2/XX/11
Water Level Elevation	NE										NA	NA	P-18S --
pH (Std. Units)	6.5 - 8.5	**5.32**	**5.34**	**5.79**	**4.81**	**5.62**	7.45	7.65	7.29	7.34	7.66	7.69	
Turbidity (NTU)	20*	4.5	0.2	0.5	3.1	16.4	0.6	0.3	**41.1**	1	0.1	0.1	
Conductivity (µmhos/cm)	NE	199	164	692	208	340	432	345	541	513	373	381	
Dissolved Oxygen (mg/L)	<20% sat*	0.6	0.16	0.59	0.18	0.38	0.82	0.46	**2.26**	0.19	0.05	0.07	
Temperature (°C)	NE	26.1	25.97	25.76	23.82	26.15	23.37	23.4	23.66	22.85	24.48	24.45	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.025**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	<0.002	<0.002	0.0097	<0.002	<0.002	0.0093	<0.002	<0.002	<0.002	
Iron (mg/L)	0.3	**2.5**	**0.35**	**4**	0.19	**17**	<0.05	<0.05	**1.2**	**0.53**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	0.0029	<0.002	0.0022	**0.019**	0.0024	**0.025**	<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	17	11	21	20	28	14	16	15	31	8.7	8.7	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1.2	0.92	0.95	1.3	**3**	0.21	0.26	0.19	0.22	0.096	0.065	
Chlorides (mg/L)	250	45	34	92	57	61	8.3	8.2	18	32	9.9	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	130	110	380	160	170	250	230	320	350	220	230	
Organics													
Acryonitrile (µg/L)	0.06**					<1.2							PQL @ 20 µg/L
Benzene (µg/L)	1					<0.5							
Chlorobenzene (µg/L)	100					<0.63							
Chloroethane	12**					<2.5							
1,2-dichlorobenzene (µg/L)	600					<1.1							
1,4-dichlorobenzene (µg/L)	75					<1.2							
1,1-dichloroethane (µg/L)	70**					<0.52							
1,2-dichloroethane (µg/L)	3					<0.57							
1,1-dichloroethene (µg/L)	7					<0.45							
cis-1,2-dichloroethene (µg/L)	70					<0.65							
Ethylbenzene (µg/L)	30					<0.44							
Methylene chloride (µg/L)	5					<4							
Tetrachloroethene (µg/L)	3					<0.5							
Toluene (µg/L)	40					<0.51							
Trichloroethene (µg/L)	3					<0.5							
Trichlorofluoromethane (µg/L)	2100**					<2.5							
Vinyl Chloride (µg/L)	1					<0.5							
Xylenes (µg/L)	20					<0.5							

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 10th "IAMP" MONITORING EVENT
ADaPT files provided on ??
Well TH-30 sampled in place of P-18S for this event

bis(2-ethylhexyl)phthalate 6

<1.3

Morris, John R.

From: Morris, John R.
Sent: Thursday, March 24, 2011 2:49 PM
To: 'Adams, David'
Cc: Berry, Patricia; Townsel, Michael; Clayton, James; Pelz, Susan; Morgan, Steve
Subject: RE: Southeast County Landfill - IAMP No. 6

Dave:

Thanks for the update regarding the submittal of the IAMP #6 report. The Department does not object to the proposed schedule you described below.

Please contact me if you have questions as the report is finalized.

John

****

John R. Morris, P.G.
FDEP SW District Office, Solid Waste Section
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336
E-mail: john.r.morris@dep.state.fl.us

From: Adams, David [mailto:AdamsDS@HillsboroughCounty.ORG]
Sent: Thursday, March 24, 2011 2:46 PM
To: Morris, John R.
Cc: Berry, Patricia; Townsel, Michael; Clayton, James
Subject: Southeast County Landfill - IAMP No. 6

John,
The data from the sampling of SCLF on February 14-17 was our normal quarterly event sampling and included the IAMP wells along with the permit required sampling sites. Based on the more detailed review of that data set, we are still in the process of preparing IAMP No. 6. Additionally, I am scheduled to go on vacation tomorrow through 4/1, and will return on Monday 4/4. I will have IAMP No. 6 on my desk when I return and should be able to finalize and submit by COB on 4/6. Please let me know if this schedule for submittal is acceptable.

Respectfully,

David S. Adams, P.G.
Environmental Manager
Landfill & Environmental Services Section
Public Utilities Department / Solid Waste Management Division
Hillsborough County BOCC
phone: 813.276.2944 | fax: 813.276.2965
e-mail: adamsds@hillsboroughcounty.org
web: http://www.hillsboroughcounty.org

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.

Hillsborough County

Morris, John R.

From: Adams, David [AdamsDS@HillsboroughCounty.ORG]
Sent: Friday, March 18, 2011 8:11 AM
To: Adams, David; Morris, John R.
Cc: Vanderploog, Paul; VanDyke, Michelle; Berry, Patricia; Ruiz, Larry; Tedder, Richard; Pelz, Susan; Morgan, Steve; Schipfer, Andy; Ernest Ely; Siemering, Richard; Joe O'Neill; Brian_Miller@doh.state.fl.us; Timmons, Jason; Townsel, Michael; Pelley, Cindy
Subject: RE: SCLF - Sinkhole IAMP Report No. 5
Attachments: SCLF - Sinkhole IAMP No 5.pdf

All,
Not sure why the file didn't go through on my email sent yesterday, but I am trying to send it to the recipient list again. Please let me know if you receive the e-mail without the attachment.

David S. Adams, P.G.
Environmental Manager
Landfill & Environmental Services Section
Public Utilities Department / Solid Waste Management Division
Hillsborough County BOCC
phone: 813.276.2944 | fax: 813.276.2965
e-mail: adamsds@hillsboroughcounty.org
web: http://www.hillsboroughcounty.org

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.

Hillsborough County

From: Adams, David
Sent: Thursday, March 17, 2011 3:32 PM
To: 'Morris, John R.'
Cc: Vanderploog, Paul; VanDyke, Michelle; Berry, Patricia; Ruiz, Larry; Richard Tedder; Susan Pelz; Steve.Morgan@dep.state.fl.us; Schipfer, Andy; Ernest Ely; 'Siemering, Richard'; 'Joe O'Neill'; 'Brian_Miller@doh.state.fl.us'; 'Timmons, Jason'; Townsel, Michael; Pelley, Cindy
Subject: SCLF - Sinkhole IAMP Report No. 5

Dear Mr. Morris,

Attached please find a scanned copy of the Southeast County Landfill Initial Assessment Monitoring Plan (IAMP) Report No. 5. This report provides the analytical data from the weekly sampling of the monitoring wells and supply wells included in the continuation of the IAMP. A hard copy of this report is being sent via the USPS. **Based on the fact that there is no impact to groundwater from the sinkhole, I will again request that the FDEP approve the reduction in the sampling frequency from weekly to monthly as soon as possible.** Should you or anyone receiving this e-mail have any questions regarding the information presented, please feel free to call me directly at (813) 276-2944.

Respectfully,

David S. Adams, P.G.
Environmental Manager
Landfill & Environmental Services Section
Public Utilities Department / Solid Waste Management Division
Hillsborough County BOCC

phone: 813.276.2944 | fax: 813.276.2965
e-mail: adamsds@hillsboroughcounty.org
web: http://www.hillsboroughcounty.org

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.

Morris, John R.

From: Townsel, Michael [TownselM@HillsboroughCounty.ORG]
Sent: Thursday, March 24, 2011 2:03 PM
To: Morris, John R.
Cc: Adams, David
Subject: ADAPT Files for IAMP No.5
Attachments: 660-39704-1-Adapt.zip

John,

Please find attached the ADAPT files for IAMP report No. 5. Sorry for the miscommunication.

Thanks!
Mike

Michael D. Townsel
Senior Hydrologist
Landfill & Environmental Services Section
Public Utilities Department / Solid Waste Management Division
Hillsborough County BOCC
p: 813.276.2955 | f: 813.276.2965
e: townselm@hillsboroughcounty.org
w: http://www.hillsboroughcounty.org

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.

Morris, John R.

From: Adams, David [AdamsDS@HillsboroughCounty.ORG]
Sent: Wednesday, February 02, 2011 3:48 PM
To: Morris, John R.
Cc: Pelz, Susan; Morgan, Steve; Berry, Patricia; Townsel, Michael; Clayton, James; Balloon, Andrew; Siemering, Richard; Timmons, Jason; Ruiz, Larry; Miller, Megan
Subject: Southeast County Landfill - IAMP

John,

Hillsborough County Public Utilities Department Solid Waste Management Division continues to implement the Initial Assessment Monitoring Plan (IAMP) to assess any potential impacts to groundwater from the sinkhole at the Southeast County Landfill. As discussed, we are experiencing some difficulties with two of the wells currently being sampled weekly, TH-42 and P-18S. We have not been able to reduce the turbidity values in these two wells, even with extensive efforts to further develop them on several occasions.

The turbidity in TH-42 has ranged from 796 down to 152 in the sampling events, but has continued to climb over the past two events. Our field staff could not install the six foot pump that is normally utilized for deep wells. The pump would hang up at the depth of approximately 120 ft. BLS. A three foot pump was installed and passed the obstruction at 120 ft. After several attempts to develop the well and clear the turbidity, they pulled the pump, and observed chunks of clay on the bottom and smears of clayey materials on the side. These observations indicate the casing may be compromised in some manner, and the persistent turbidity present in this upper Floridan aquifer well is not consistent with the other Floridan wells on site where turbidity values are consistently very low.

The turbidity in P-18S has ranged from 854 down to 160 in the sampling events, and has also proven difficult to develop. The area where P-18S was installed was almost entirely clay from land surface to the bottom of the hole. This well was originally installed as a piezometer for evaluation of groundwater elevations only, but was requested to be sampled by the FDEP to assess the potential impacts to groundwater from the sinkhole in that area.

The sampling of these two wells should be discontinued based on the available information. However, we understand that the FDEP would be concerned with approving any modifications to the IAMP without review of the analytical data from TH-72 and TH-73 and other applicable information. Therefore, we will attempt to sample P-18S, but if we cannot reduce turbidity to less than 20 NTU, we will collect a representative sample from TH-30. TH-42 will be sampled again and attempts to reduce turbidity will continue. Once the data from TH-72 and TH-73 is available, we will present a complete evaluation of the IAMP, including an upper Floridan aquifer contour diagram, and request appropriate changes to the IAMP.

Should you have any questions, please feel free to call me at (813) 276-2944.

David S. Adams, P.G.
Environmental Manager
Landfill & Environmental Services Section
Public Utilities Department / Solid Waste Management Division
Hillsborough County BOCC
phone: 813.276.2944 | fax: 813.276.2965
e-mail: adamsds@hillsboroughcounty.org
web: http://www.hillsboroughcounty.org

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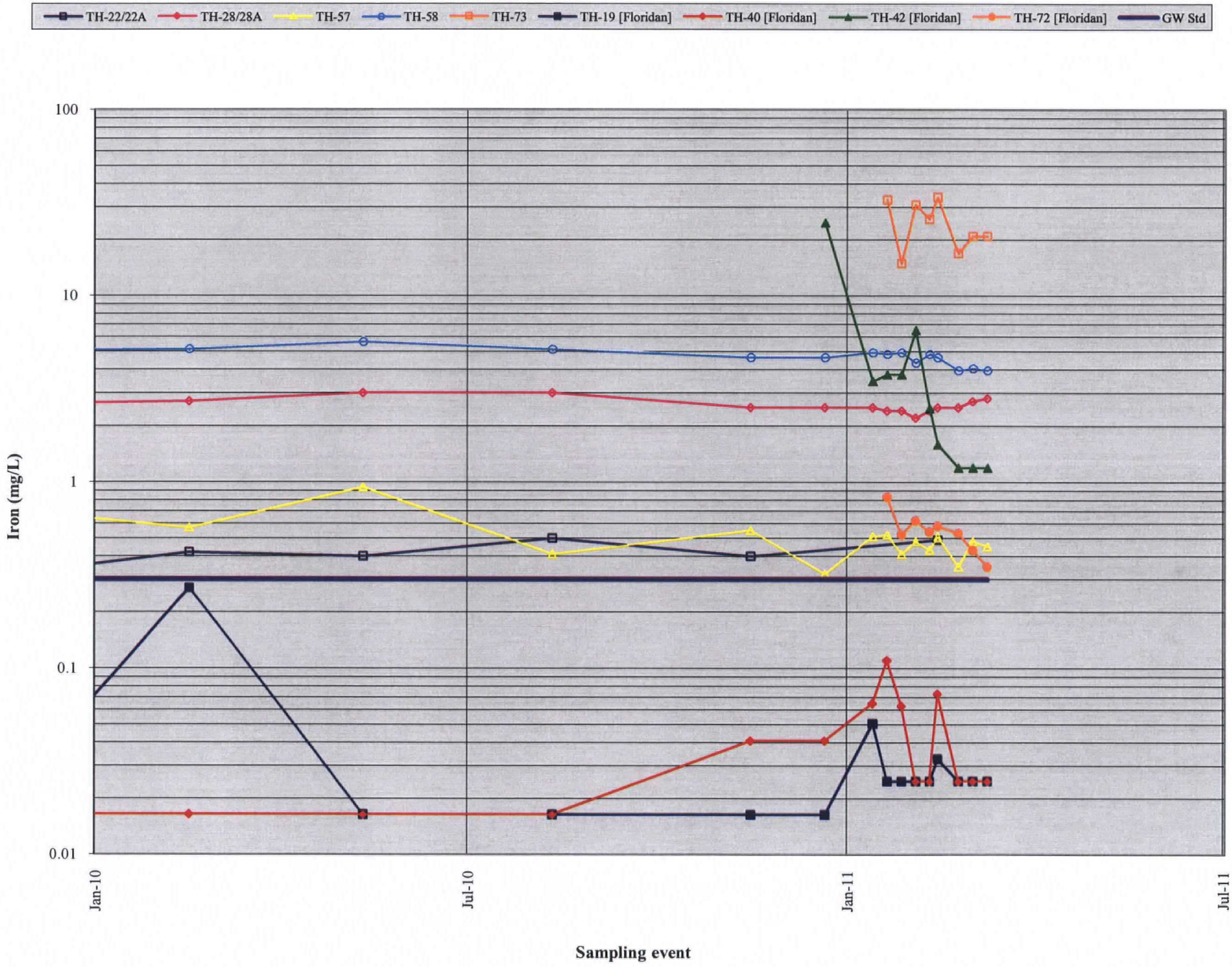
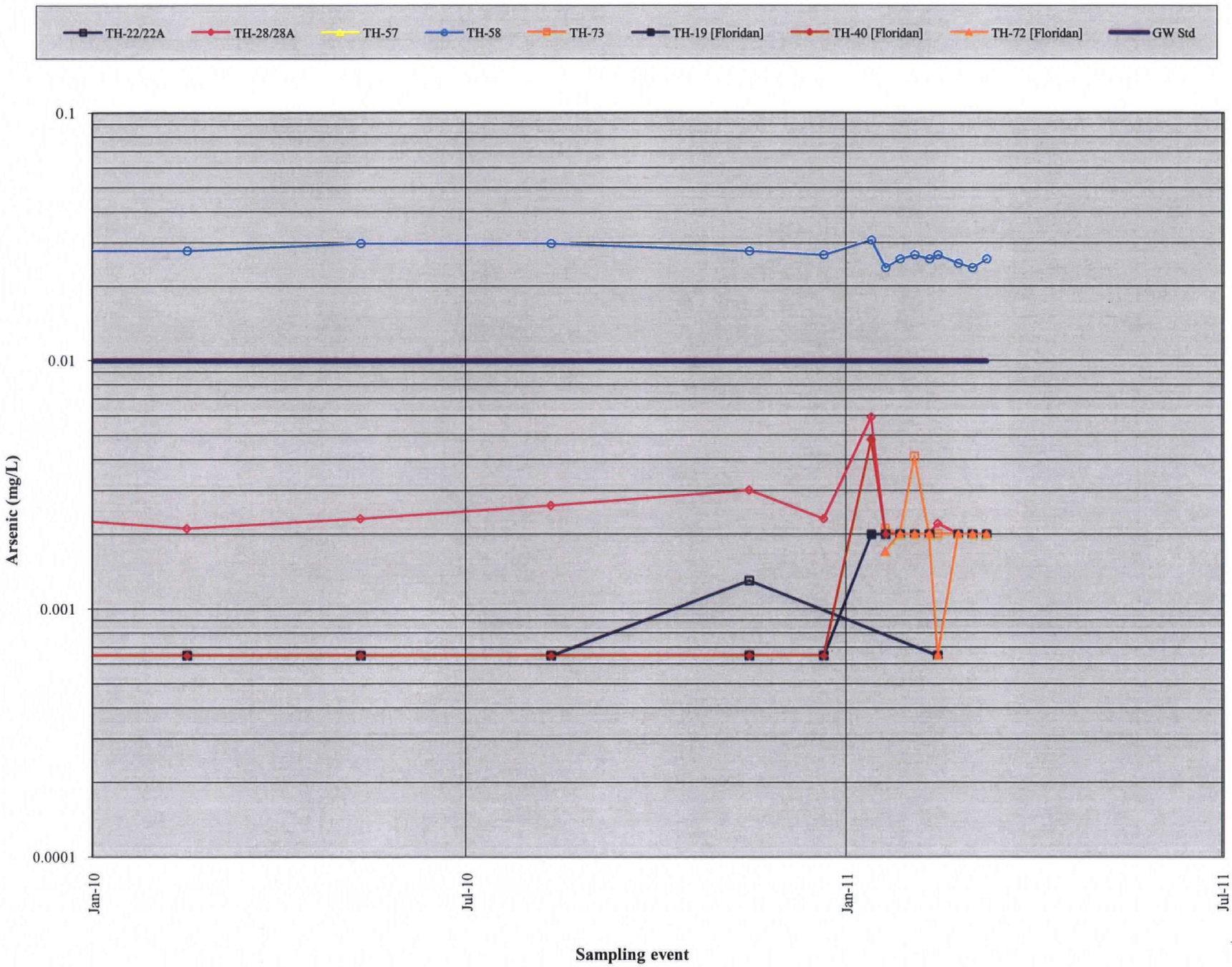
Hillsborough County

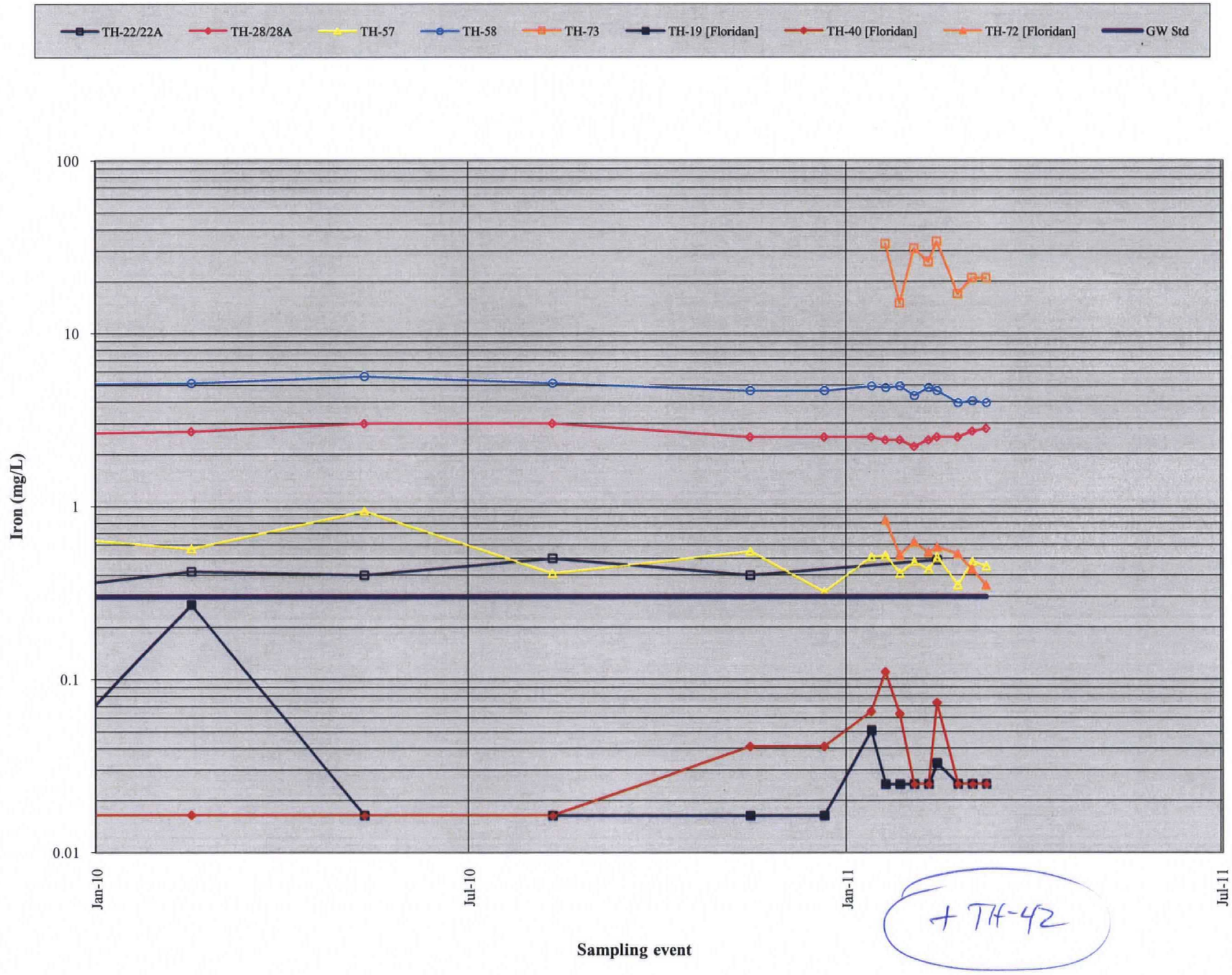
Hills. Southeast LF, IAMP Wells Near Sinkhole
Iron concentrations



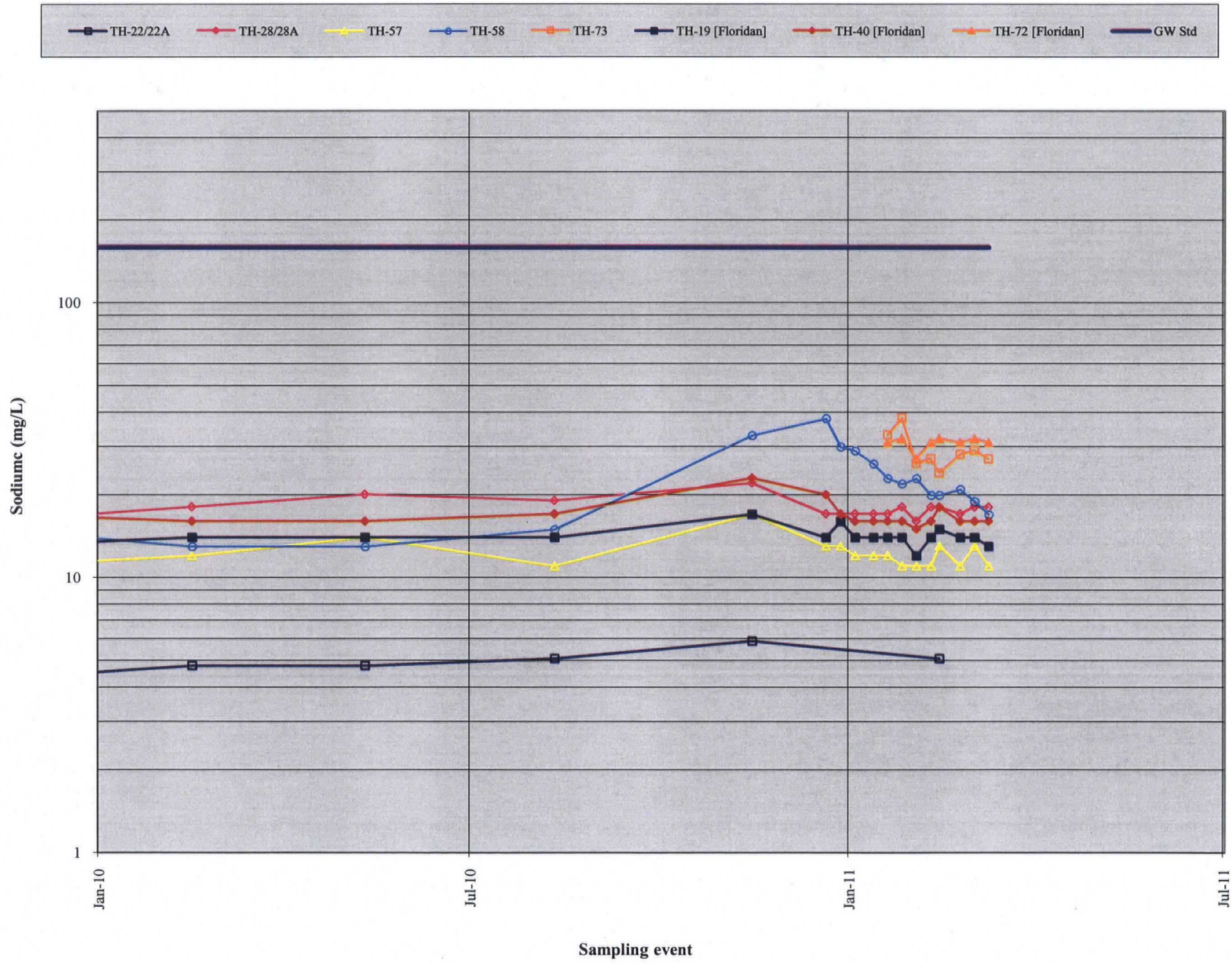
Hills. Southeast LF, IAMP Wells Near Sinkhole
Arsenic concentrations



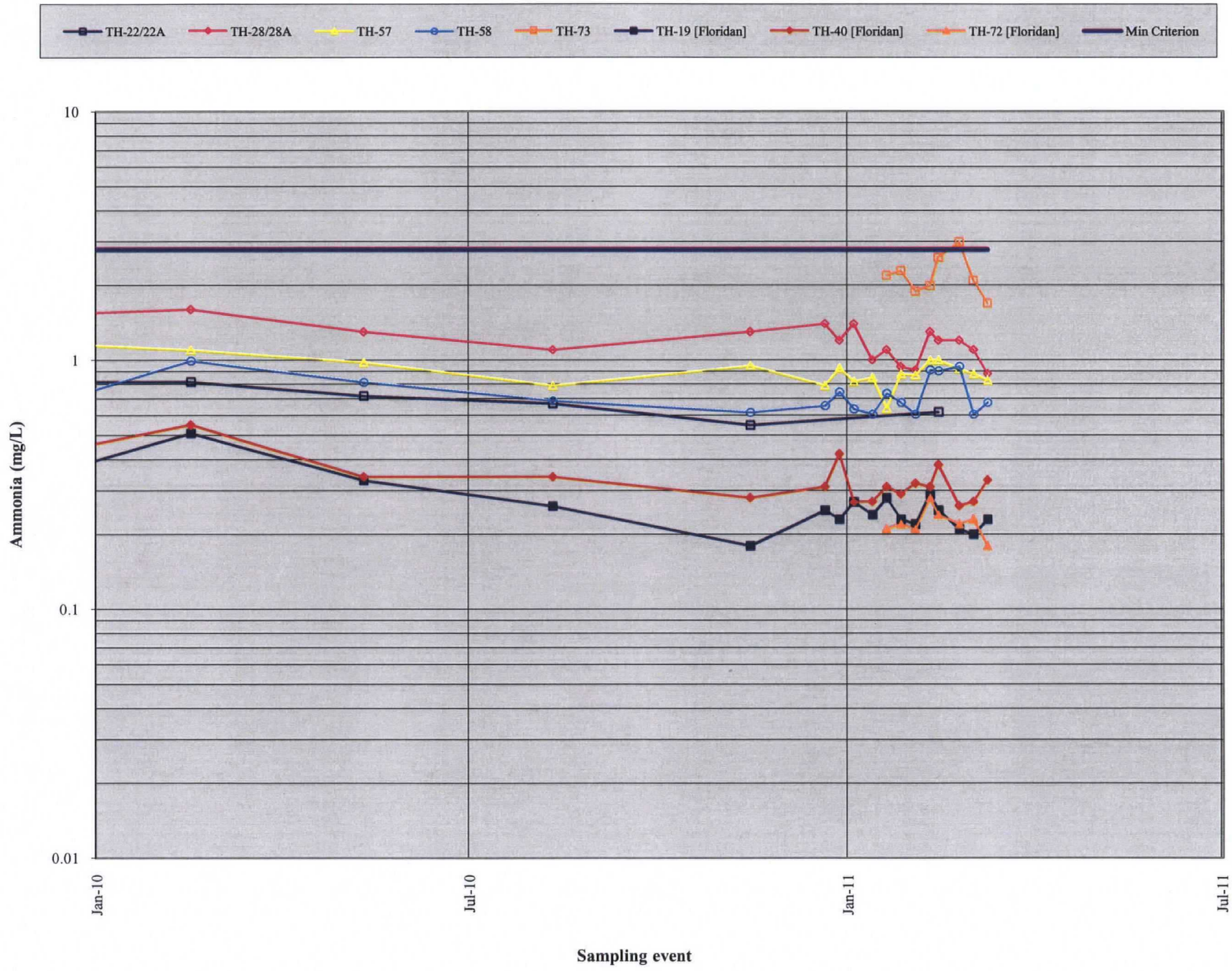
Hills. Southeast LF, IAMP Wells Near Sinkhole
Iron concentrations



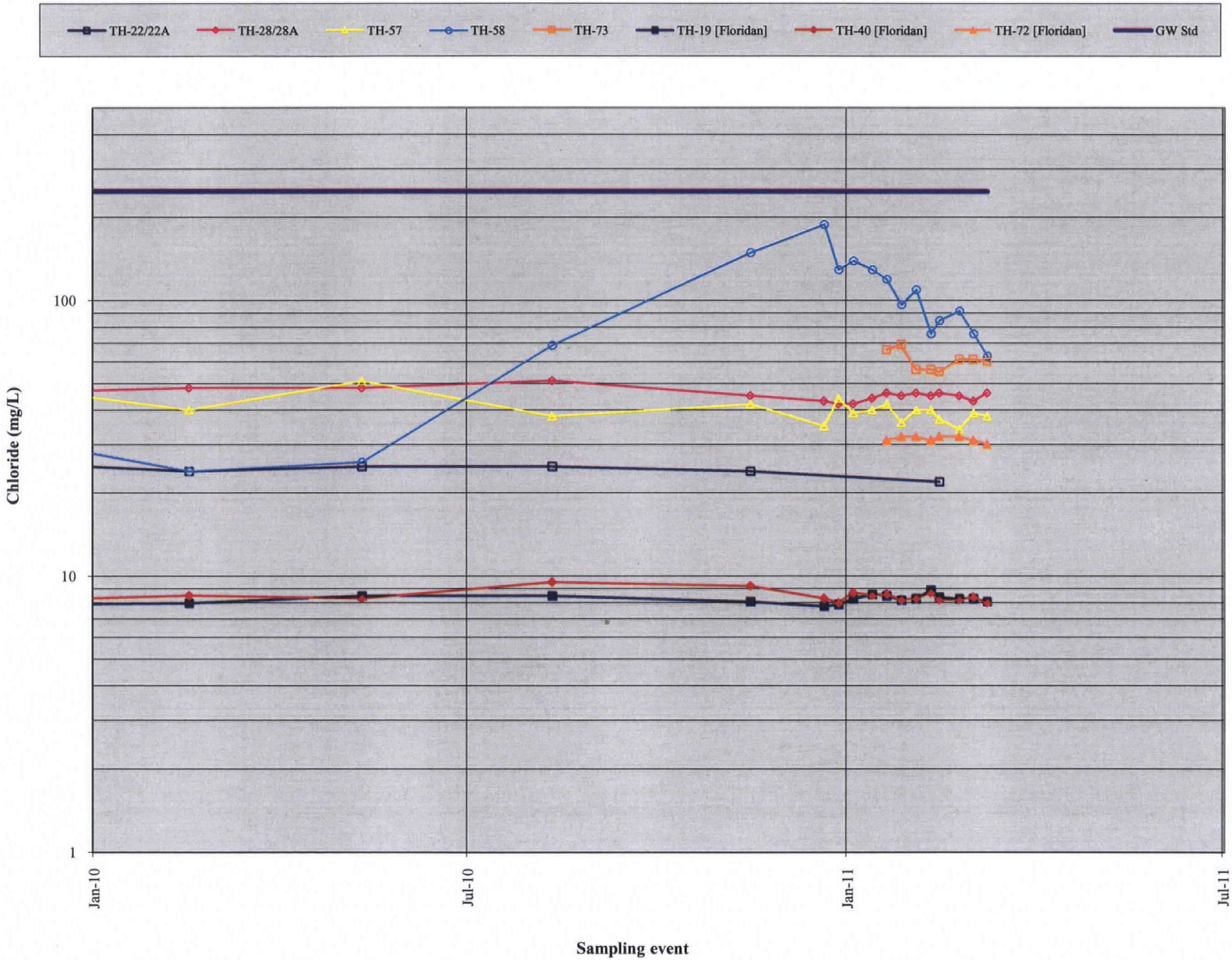
Hills. Southeast LF, IAMP Wells Near Sinkhole
Sodium concentrations



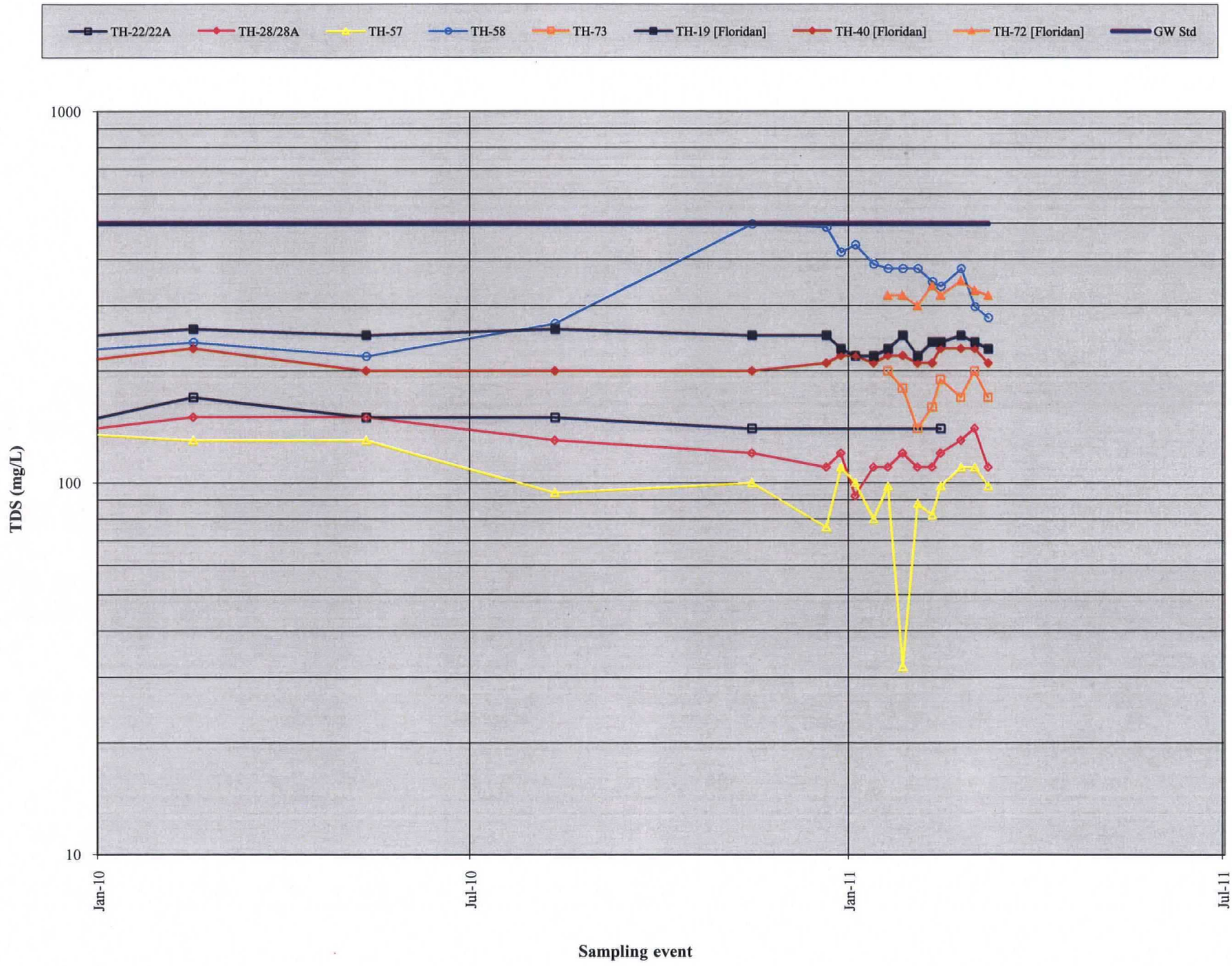
Hills. Southeast LF, IAMP Wells Near Sinkhole
Ammonia concentrations



Hills. Southeast LF, IAMP Wells Near Sinkhole
Chloride concentrations



Hills. Southeast LF, IAMP Wells Near Sinkhole
TDS concentrations



Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)

County -- Hillsborough
Date Sampled -- 12/21 & 12/22/10
GW Contour Map -- Y

Sampling frequency -- weekly
Date Received -- 1/20/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells: TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	Notes (as needed)
Field Measurements													
Depth to Water	Ft below TOC	28.75	20.26	28.34	19.02	NS	118.33	116.9	89.22	NS	NS	NS	W/L measured on
Water Level Elevation	NE	102.35	108.1	99.54	110.84		11.94	8.09	27.52				TH-72 and TH-73 not yet installed
pH (Std. Units)	6.5 - 8.5	**5.22**	**5.05**	**5.76**	**4.56**		7.37	7.61	7.29				
Turbidity (NTU)	20*	**25.9**	0.6	0.9	**853**		0.2	0.3	**796**				
Conductivity (µmhos/cm)	NE	209	144	970	94		392	348	496				
Dissolved Oxygen (mg/L)	<20% sat*	1.71	1.6	1.2	0.44		1.34	1.06	0.77				
Temperature (°C)	NE	25.3	26.1	26	26.4		23.2	23.3	23.7				
Metals/Semimetals													
Antimony (mg/L)	0.006	<0.0023	<0.0023	<0.0023	0.0041		<0.0023	<0.0023	0.0027				
Arsenic (mg/L)	0.01	0.0023	<0.0013	**0.027**	0.007		<0.0013	<0.0013	0.0085				
Barium (mg/L)	2	0.015	0.0075	0.033	0.4		0.0052	0.0078	0.63				
Cadmium (mg/L)	0.005	<0.000095	<0.000095	<0.000095	**0.021**		<0.000095	<0.000095	**0.01**				
Chromium (mg/L)	0.1	0.0046	<0.0025	<0.0025	0.1		<0.0025	<0.0025	**0.22**				
Iron (mg/L)	0.3	**2.5**	**0.32**	**4.7**	**4.5**		<0.033	0.041	**25**				
Lead (mg/L)	0.015	0.0017	<0.0002	<0.0002	**0.034**		<0.0002	<0.0002	**0.074**				
Mercury (mg/L)	0.002	<0.000091	<0.000091	<0.000091	0.00013		<0.000091	<0.000091	0.00014				
Nickel (mg/L)	0.1	0.0036	<0.002	<0.002	0.02		<0.002	<0.002	0.045				
Selenium (mg/L)	0.05	<0.001	<0.001	<0.001	0.011		<0.001	<0.001	0.0035				
Sodium (mg/L)	160	17	13	38	9.4		14	20	18				
Thallium (mg/L)	0.002	<0.0005	<0.0005	0.00066	0.0012		<0.0005	<0.0005	0.002				
Vanadium(mg/L)	0.049**	0.0041	<0.0038	0.0066	**0.31**		<0.0038	<0.0038	**0.17**				
Inorganics													
Ammonia (mg/L)	2.8**	1.4	0.79	0.66	0.58		0.25	0.31	0.36				
Chlorides (mg/L)	250	43	35	190	12		7.8	8.3	17				
Nitrate (mg/L)	10	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1				
Total Dissolved Solids (mg/L)	500	110	76	490	110		250	210	320				
Organics													
Acryonitrile (µg/L)	0.06**	<1.2	<1.2	<1.2	<1.2		<1.2	<1.2	<1.2				PQL @ 20 µg/L
Benzene (µg/L)	1	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5				
Chlorobenzene (µg/L)	100	<0.63	<0.63	<0.63	<0.63		<0.63	<0.63	<0.63				
Chloroethane	12**	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5	<2.5				
1,2-dichlorobenzene (µg/L)	600	<0.44	<0.44	<0.44	<0.44		<0.44	<0.44	<0.44				
1,4-dichlorobenzene (µg/L)	75	<0.52	<0.52	<0.52	<0.52		<0.52	<0.52	<0.52				
1,1-dichloroethane (µg/L)	70**	<0.52	<0.52	<0.52	<0.52		<0.52	<0.52	<0.52				
1,2-dichloroethane (µg/L)	3	<0.57	<0.57	<0.57	<0.57		<0.57	<0.57	<0.57				
1,1-dichloroethene (µg/L)	7	<0.45	<0.45	<0.45	<0.45		<0.45	<0.45	<0.45				
cis-1,2-dichloroethene (µg/L)	70	<0.65	<0.65	<0.65	<0.65		<0.65	<0.65	<0.65				
Ethylbenzene (µg/L)	30	<0.44	<0.44	<0.44	<0.44		<0.44	<0.44	<0.44				
Methylene chloride (µg/L)	5	<4	<4	<4	<4		<4	<4	<4				
Tetrachloroethene (µg/L)	3	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5				
Toluene (µg/L)	40	<0.51	<0.51	<0.51	<0.51		<0.51	<0.51	<0.51				
Trichloroethene (µg/L)	3	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5				
Trichlorofluoromethane (µg/L)	2100**	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5	<2.5				
Vinyl Chloride (µg/L)	1	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5				
Xylenes (µg/L)	20	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5				

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 1st "IAMP" MONITORING EVENT
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y
(location not identified)
County -- Hillsborough
Date Sampled -- 12/21 & 12/22/10
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 1/13/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- Private wells											Notes (as needed)
		Sherrif #1	Sherrif #2	Barnes	Holdren	Holland	Weeks						
Field Measurements													
Depth to Water	Ft below TOC	NA	NA	NA	NA	NA	NA						W/L measured on
Water Level Elevation	NE	NA	NA	NA	NA	NA	NA						
pH (Std. Units)	6.5 - 8.5	7.64	7.4	7.46	7.51	7.21	7.05						
Turbidity (NTU)	20*	0.1	0.1	0.4	0.2	0.2	1.02						
Conductivity (µmhos/cm)	NE	335	386	318	245	344	465						
Dissolved Oxygen (mg/L)	<20% sat*	0.57	1.09	**3.78**	0.45	0.74	1.88						
Temperature (°C)	NE	25.2	24.3	23	23.9	24	22.8						
Metals/Semimetals													
Antimony (mg/L)	0.006	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023						
Arsenic (mg/L)	0.01	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0052						
Barium (mg/L)	2	0.037	0.015	0.0052	0.004	0.0049	0.0049						
Cadmium (mg/L)	0.005	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095						
Chromium (mg/L)	0.1	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025						
Iron (mg/L)	0.3	0.12	<0.033	<0.033	0.092	**1.9**	**0.71**						
Lead (mg/L)	0.015	<0.0002	<0.0002	0.0012	<0.0002	<0.0002	0.0076						
Mercury (mg/L)	0.002	<0.000091	<0.000091	<0.000091	<0.000091	<0.000091	<0.000091						
Nickel (mg/L)	0.1	<0.002	<0.002	<0.002	<0.002	0.0074	<0.002						
Selenium (mg/L)	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
Sodium (mg/L)	160	9.5	10	16	4.8	6.5	8.6						
Thallium (mg/L)	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005						
Vanadium(mg/L)	0.049**	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038						
Inorganics													
Ammonia (mg/L)	2.8**	0.15	0.26	0.12	0.13	0.076	0.12						
Chlorides (mg/L)	250	12	6	7.7	5	19	36						
Nitrate (mg/L)	10	<0.1	<0.1	0.17	<0.1	<0.1	<0.1						
Total Dissolved Solids (mg/L)	500	240	260	220	160	230	300						
Organics													
Acryonitrile (µg/L)	0.06**	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2						PQL @ 20 µg/L
Benzene (µg/L)	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Chlorobenzene (µg/L)	100	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63						
Chloroethane	12**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5						
1,2-dichlorobenzene (µg/L)	600	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44						
1,4-dichlorobenzene (µg/L)	75	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52						
1,1-dichloroethane (µg/L)	70**	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52						
1,2-dichloroethane (µg/L)	3	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57						
1,1-dichloroethene (µg/L)	7	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45						
cis-1,2-dichloroethene (µg/L)	70	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65						
Ethylbenzene (µg/L)	30	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44						
Methylene chloride (µg/L)	5	<4	<4	<4	<4	<4	<4						
Tetrachloroethene (µg/L)	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Toluene (µg/L)	40	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51						
Trichloroethene (µg/L)	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Trichlorofluoromethane (µg/L)	2100**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5						
Vinyl Chloride (µg/L)	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						
Xylenes (µg/L)	20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5						

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 1st "IAMP" MONITORING EVENT

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 12/28 & 12/29/10
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 1/20/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.49	20.07	28.25	18.8	NS	117.58	115.29	89.2	NS	NA	NA	W/L measured on
Water Level Elevation	NE	102.61	108.29	99.63	111.06		12.69	9.7	27.54		NA	NA	TH-72 and TH-73 not yet installed
pH (Std. Units)	6.5 - 8.5	**5.11**	**5.21**	**5.66**	**4.47**		7.4	7.55	7.21		7.63	7.59	
Turbidity (NTU)	20*	5	0.5	0.9	**394.2**		0.2	1.4	**156.1**		0.1	0.1	
Conductivity (µmhos/cm)	NE	171	150	570	75		319	304	412		275	293	
Dissolved Oxygen (mg/L)	<20% sat*	1.63	1.45	0.42	0.56		0.78	1.37	0.42		0.49	0.27	
Temperature (°C)	NE	25.81	26.2	26	26.15		23.23	22.7	23.47		24.46	24.18	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01												
Barium (mg/L)	2												
Cadmium (mg/L)	0.005												
Chromium (mg/L)	0.1												
Iron (mg/L)	0.3												
Lead (mg/L)	0.015												
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	17	13	30	8		16	17	15		11	13	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1.2	0.93	0.75	0.62		0.23	0.42	0.24		0.17	0.15	
Chlorides (mg/L)	250	42	44	130	10		7.9	8	17		9.9	12	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	120	110	420	110		230	220	310		180	200	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 2nd "IAMP" MONITORING EVENT
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y
(location not identified)
County -- Hillsborough
Date Sampled -- 1/4 to 1/7/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 2/2/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.88	20.26	28.36	18.94	NS	117.83	115.08	90.92	NS	NA	NA	W/L measured on
Water Level Elevation	NE	102.22	108.1	99.52	110.92		12.44	9.91	25.82		NA	NA	TH-72 and TH-73 not yet installed
pH (Std. Units)	6.5 - 8.5	**5.12**	**5.08**	**5.71**	**4.63**		7.33	7.2	7.24		7.51	7.57	
Turbidity (NTU)	20*	1.7	0.4	0.6	**346.3**		0.2	1	**234.4**		0.1	0.1	
Conductivity (µmhos/cm)	NE	175	143	619	77		337	323	427		387	378	
Dissolved Oxygen (mg/L)	<20% sat*	0.91	0.33	0.44	0.72		0.94	**2.33**	0.81		1.9	0.29	
Temperature (°C)	NE	25.58	26.4	25.81	25.85		23.27	23.23	23.52		21.04	24.19	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01												
Barium (mg/L)	2												
Cadmium (mg/L)	0.005												
Chromium (mg/L)	0.1												
Iron (mg/L)	0.3												
Lead (mg/L)	0.015												
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	17	12	29	7.8		14	16	15		13	9.2	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1.4	0.82	0.64	0.48		0.27	0.27	0.16		0.18	0.16	
Chlorides (mg/L)	250	42	39	140	11		8.3	8.7	18		18	12	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	92	100	440	100		220	220	300		210	200	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 3rd "IAMP" MONITORING EVENT
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y
(location not identified)
County -- Hillsborough
Date Sampled -- 1/4 to 1/7/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 1/27/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Monitor Well Identification Number -- Private wells											Notes (as needed)
		Sherrif #1	Sherrif #2	Barnes	Holdren	Holland	Weeks	Maran Groves #2	Maran Groves #6	Maran Groves #7	Maran Groves #12		
Field Measurements													
Depth to Water	Ft below TOC							NA	NA	NA	NA		W/L measured on
Water Level Elevation	NE							NA	NA	NA	NA		
pH (Std. Units)	6.5 - 8.5							7.54	7.59	7.66	7.66		
Turbidity (NTU)	20*							<0.1	0.1	0.2	0.2		
Conductivity (µmhos/cm)	NE							301	304	327	378		
Dissolved Oxygen (mg/L)	<20% sat*							0.92	0.94	0.76	0.77		
Temperature (°C)	NE							25.14	24.7	26.81	27.05		
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01												
Barium (mg/L)	2												
Cadmium (mg/L)	0.005												
Chromium (mg/L)	0.1												
Iron (mg/L)	0.3												
Lead (mg/L)	0.015												
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160							9.3	9.9	8.9	9.9		
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**							0.17	0.16	0.17	0.28		
Chlorides (mg/L)	250							11	11	13	22		
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500							210	210	220	270		
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
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* = SOP FS 2200 (Ground water sampling)
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NOTE: THIS REPRESENTS THE 3rd "IAMP" MONITORING EVENT

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 1/13 & 1/14/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 2/22/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.67	20.19	28.31	18.91		114.88	112.16	89.73		NA	NA	W/L measured on 1/10/11
Water Level Elevation	NE	102.43	108.17	99.57	110.95		15.39	12.83	27.01		NA	NA	TH-72 and TH-73 not yet installed
pH (Std. Units)	6.5 - 8.5	**5.25**	**5.24**	**5.78**	**4.61**		7.41	7.54	7.31		7.64	7.42	
Turbidity (NTU)	20*	2.1	0.5	0.2	**107.2**		0.2	0.5	**175.1**		<0.1	<0.1	
Conductivity (µmhos/cm)	NE	235	207	736	104		441	400	556		380	389	
Dissolved Oxygen (mg/L)	<20% sat*	0.7	0.37	0.46	0.53		0.42	0.74	0.32		0.27	0.15	
Temperature (°C)	NE	25.59	26.41	25.58	26.2		23.13	23.11	23.22		24.36	24.4	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	0.0059	<0.004	**0.031**	0.0049		<0.004	0.0048	<0.004		<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	0.0029		<0.001	<0.001	<0.001		<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	0.0029	0.013		<0.002	<0.002	0.026		<0.002	<0.002	
Iron (mg/L)	0.3	**2.5**	**0.51**	**5**	**1.6**		0.051	0.065	**3.5**		<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	0.0031		<0.002	<0.002	**0.052**		<0.002	<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	17	12	26	8.2		14	16	16		8.1	8.1	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1	0.85	0.61	0.52		0.24	0.27	0.2		0.13	0.28	
Chlorides (mg/L)	250	44	40	130	12		8.6	8.5	18		10	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	110	80	390	82		220	210	300		190	200	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 4th "IAMP" MONITORING EVENT
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y
(location not identified)
County -- Hillsborough
Date Sampled -- 1/20 & 1/21/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 2/22/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.41	20.03	28.22	18.74	NA	113.69	111.15	88.91	NA	NA	NA	W/L measured on 1/18/11
Water Level Elevation	NE	102.69	108.33	99.66	111.12	NA	16.58	13.84	27.83	NA	NA	NA	
pH (Std. Units)	6.5 - 8.5	**5.15**	**5.23**	**5.74**	**4.64**	**5.83**	7.36	7.52	7.02	7.27	7.45	7.45	
Turbidity (NTU)	20*	1.5	0.4	0.2	**63**	13.3	0.6	0.8	**160.3**	17.9	0.1	<0.1	
Conductivity (µmhos/cm)	NE	239	200	751	116	457	417	420	562	569	387	392	
Dissolved Oxygen (mg/L)	<20% sat*	0.43	0.39	0.34	0.16	1.14	0.5	0.58	0.22	0.46	0.09	0.24	
Temperature (°C)	NE	26.31	26.37	25.95	26.33	25.99	23.39	23.28	23.69	23.04	24.36	24.4	
Metals/Semimetals													
Antimony (mg/L)	0.006					<0.0023				<0.0023			
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.024**	<0.004	0.0021	<0.004	<0.004	<0.004	0.0017	<0.004	<0.004	
Barium (mg/L)	2					0.012				0.0084			
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	0.0019	<0.000095	<0.001	<0.001	<0.001	0.00028	<0.001	<0.001	
Chromium (mg/L)	0.1	0.002	<0.002	0.0024	0.011	0.0035	<0.002	<0.002	0.028	0.0068	<0.002	<0.002	
Iron (mg/L)	0.3	**2.4**	**0.52**	**4.9**	**1.6**	**33**	<0.05	0.11	**3.8**	**0.83**	0.058	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	0.0021	0.00045	<0.002	<0.002	**0.041**	0.0002	0.0081	<0.002	
Mercury (mg/L)	0.002					<0.000091				<0.000091			
Nickel (mg/L)	0.1					0.0027				<0.002			
Selenium (mg/L)	0.05					<0.001				<0.001			
Sodium (mg/L)	160	17	12	23	8.3	33	14	16	16	31	8.5	8.6	
Thallium (mg/L)	0.002					<0.0005				<0.0005			
Vanadium(mg/L)	0.049**					0.0056				0.0073			
Inorganics													
Ammonia (mg/L)	2.8**	1.1	0.64	0.74	0.44	2.2	0.28	0.31	0.27	0.21	0.15	0.14	
Chlorides (mg/L)	250	46	42	120	14	66	8.5	8.6	18	31	10	11	
Nitrate (mg/L)	10					<0.1				<0.1			
Total Dissolved Solids (mg/L)	500	110	98	380	94	200	230	220	320	320	190	210	
Organics													
Acryonitrile (µg/L)	0.06**					<1.2				<1.2			PQL @ 20 µg/L
Benzene (µg/L)	1					<0.5				<0.5			
Bis (2-ethylhexyl) phthalate (µg/L)	6					**7.9**				<1.2			
Chlorobenzene (µg/L)	100					<0.63				<0.63			
Chloroethane	12**					<2.5				<2.5			
1,2-dichlorobenzene (µg/L)	600					<1.1				<1			
1,4-dichlorobenzene (µg/L)	75					<1.1				<1.1			
1,1-dichloroethane (µg/L)	70**					<0.52				<0.52			
1,2-dichloroethane (µg/L)	3					<0.57				<0.57			
1,1-dichloroethene (µg/L)	7					<0.45				<0.45			
cis-1,2-dichloroethene (µg/L)	70					<0.65				<0.65			
Ethylbenzene (µg/L)	30					<0.44				<0.44			
Methylene chloride (µg/L)	5					<4				<4			
Tetrachloroethene (µg/L)	3					<0.5				<0.5			
Toluene (µg/L)	40					1.3				<0.51			
Trichloroethene (µg/L)	3					<0.5				<0.5			
Trichlorofluoromethane (µg/L)	2100**					<2.5				<2.5			
Vinyl Chloride (µg/L)	1					<0.5				<0.5			
Xylenes (µg/L)	20					1.9				<0.5			

Monitor Well Descriptions:
NE = not established
NA = not analyzed
NS = not sampled

A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 5th "IAMP" MONITORING EVENT & INITIAL SAMPLING EVENT AT TH-72 & TH-73
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)

County -- Hillsborough
Date Sampled -- 1/27 & 1/28/11
GW Contour Map -- Y

Sampling frequency -- weekly
Date Received -- 2/22/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.44	19.99	28.11	18.82	30.99	110.45	107.91	86.86	115.69	NA	NA	W/L measured on 1/25/11
Water Level Elevation	NE	102.66	108.37	99.77	111.04	100.08	19.82	17.08	29.88	15.27	NA	NA	
pH (Std. Units)	6.5 - 8.5	**5.09**	**4.99**	**5.76**	**4.75**	**5.53**	7.51	7.73	7.43	7.43	7.63	7.59	
Turbidity (NTU)	20*	1.6	0.5	0.4	**89.9**	**22.2**	0.2	0.2	**202.9**	3.2	2	<0.1	
Conductivity (µmhos/cm)	NE	236	172	693	134	440	399	359	498	551	378	384	
Dissolved Oxygen (mg/L)	<20% sat*	0.99	0.23	0.64	0.47	1.7	0.49	1.3	0.59	0.39	0.1	0.11	
Temperature (°C)	NE	25.37	26.05	25.87	25.24	25.01	23.37	23.38	23.05	22.88	24.43	24.35	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.026**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	<0.002	0.011	0.0057	<0.002	<0.002	0.039	0.0025	<0.002	<0.002	
Iron (mg/L)	0.3	**2.4**	**0.41**	**5**	**1.9**	**15**	<0.05	0.063	**3.8**	**0.52**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	0.0023	0.0034	<0.002	<0.002	**0.027**	<0.002	<0.002	0.0022	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	18	11	22	8.1	38	14	16	15	32	8.7	8.8	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	0.94	0.88	0.68	0.49	2.3	0.23	0.29	0.22	0.22	0.17	0.13	
Chlorides (mg/L)	250	45	36	97	16	69	8.2	8.2	18	32	9.9	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	120	32	380	110	180	250	220	310	320	190	210	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 6th "IAMP" MONITORING EVENT
ADaPT files provided on CD

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N
Equipment Blank -- Y
Duplicate -- Y
(location not identified)
County -- Hillsborough
Date Sampled -- 1/27 & 1/28/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 2/22/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Monitor Well Identification Number -- Private wells: Sherrif #1	Sherrif #2	Barnes	Holdren	Holland	Weeks	Maran Groves #2	Maran Groves #6	Maran Groves #7	Maran Groves #12	Maran Groves Sup	Notes (as needed)
Field Measurements													
Depth to Water	Ft below TOC											NA	W/L measured on
Water Level Elevation	NE											NA	
pH (Std. Units)	6.5 - 8.5											7.75	
Turbidity (NTU)	20*											1.8	
Conductivity (µmhos/cm)	NE											333	
Dissolved Oxygen (mg/L)	<20% sat*											1.13	
Temperature (°C)	NE											25.28	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01											<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005											<0.001	
Chromium (mg/L)	0.1											<0.002	
Iron (mg/L)	0.3											0.24	
Lead (mg/L)	0.015											<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160											8.5	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**											0.17	
Chlorides (mg/L)	250											11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500											200	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 3rd "IAMP" MONITORING EVENT

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TLOADS ✓

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 2/3 & 2/4/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 3/7/11
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.32	19.99	28.05	24.05	30.85	107.11	104.37	84.45	112.18	NA	NA	W/L measured on 2/1/11
Water Level Elevation	NE	102.78	108.37	99.83	104.83	100.22	23.16	20.62	32.29	18.78	NA	NA	P-18S -- 111.04
pH (Std. Units)	6.5 - 8.5	**5.07**	**5.08**	**5.73**	**4.45**	**5.62**	7.49	7.74	7.07	7.38	7.59	7.62	
Turbidity (NTU)	20*	2.5	0.4	2.2	3.6	17.6	0.2	0.2	**329.3**	9.9	0.1	0.1	
Conductivity (µmhos/cm)	NE	233	189	740	244	400	409	398	536	565	353	360	
Dissolved Oxygen (mg/L)	<20% sat*	0.96	0.62	0.86	0.27	1.78	0.83	0.81	0.77	1.09	0.31	1.09	
Temperature (°C)	NE	25.9	26.13	25.71	23.65	26.12	23.42	23.35	23.51	22.95	24.42	24.43	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.027**	<0.004	0.0041	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0026	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	0.0021	0.002	0.0039	<0.002	<0.002	0.072	0.0029	<0.002	<0.002	
Iron (mg/L)	0.3	**2.2**	**0.48**	**4.4**	0.2	**31**	<0.05	<0.05	**6.6**	**0.62**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.043**	<0.002	<0.002	<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	16	11	23	19	26	12	15	15	27	8.2	8.4	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	0.91	0.87	0.61	0.94	1.9	0.22	0.32	0.24	0.21	0.14	0.18	
Chlorides (mg/L)	250	46	40	110	57	56	8.3	8.3	18	32	9.9	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	110	88	380	110	140	220	210	290	300	190	190	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 7th "IAMP" MONITORING EVENT
ADaPT files provided via e-mail dated 3/9/11
Well TH-30 sampled in place of P-18S for this event

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Trends ✓

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 2/10 & 2/11/11
GW Contour Map -- Y
Sampling frequency -- weekly
Date Received -- 3/22/11 [3/9/11 via e-mail]
Exceedances summarized -- Y

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC	28.31	19.47	28.02	24.11	30.76	104.74	102.03	82.5	109.8	NA	NA	W/L measured on 2/8/11
Water Level Elevation	NE	102.79	108.89	99.86	104.77	100.31	25.53	22.96	34.24	21.16	NA	NA	P-18S -- 110.93
pH (Std. Units)	6.5 - 8.5	**5.06**	**5.02**	**5.74**	**4.36**	**5.62**	7.56	7.68	7.26	7.34	7.66	7.76	
Turbidity (NTU)	20*	3.1	2.1	1.3	4	12	0.7	0.6	**95.6**	3.2	0.2	0.1	
Conductivity (µmhos/cm)	NE	209	160	578	219	336	381	346	476	514	322	328	
Dissolved Oxygen (mg/L)	<20% sat*	0.61	0.42	0.56	0.21	1.44	0.8	0.48	0.84	1.58	0.31	0.98	
Temperature (°C)	NE	25.85	26.02	25.58	23.7	25.86	23.33	23.38	23.62	22.65	24.33	24.27	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.026**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	<0.002	<0.002	0.0033	<0.002	<0.002	0.021	<0.002	<0.002	<0.002	
Iron (mg/L)	0.3	**2.4**	**0.43**	**4.9**	0.2	**26**	<0.05	<0.05	**2.5**	**0.54**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	0.0038	0.0039	0.0037	**0.039**	0.0036	0.0046	0.0025	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	18	11	20	20	27	14	16	15	31	8.6	8.7	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1.3	1	0.92	1.5	2	0.29	0.31	0.27	0.28	0.11	0.11	
Chlorides (mg/L)	250	45	40	76	61	56	8.9	8.7	18	31	9.9	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	110	82	350	120	160	240	210	300	340	210	210	
Organics													
Acryonitrile (µg/L)	0.06**												PQL @ 20 µg/L
Benzene (µg/L)	1												
Chlorobenzene (µg/L)	100												
Chloroethane	12**												
1,2-dichlorobenzene (µg/L)	600												
1,4-dichlorobenzene (µg/L)	75												
1,1-dichloroethane (µg/L)	70**												
1,2-dichloroethane (µg/L)	3												
1,1-dichloroethene (µg/L)	7												
cis-1,2-dichloroethene (µg/L)	70												
Ethylbenzene (µg/L)	30												
Methylene chloride (µg/L)	5												
Tetrachloroethene (µg/L)	3												
Toluene (µg/L)	40												
Trichloroethene (µg/L)	3												
Trichlorofluoromethane (µg/L)	2100**												
Vinyl Chloride (µg/L)	1												
Xylenes (µg/L)	20												

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 8th "IAMP" MONITORING EVENT
ADaPT files provided via e-mail dated 3/24/11
Well TH-30 sampled in place of P-18S for this event

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TRENDS ✓ (EXCEPT wL)

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)

County -- Hillsborough
Date Sampled -- 2/14 to 2/16/11
GW Contour Map -- N

Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells: TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	Notes (as needed)
Field Measurements													
Depth to Water	Ft below TOC										NA	NA	W/L measured on 2/XX/11
Water Level Elevation	NE										NA	NA	P-18S --
pH (Std. Units)	6.5 - 8.5	**5.14**	**5.24**	**5.72**	**4.45**	**5.54**	7.58	7.58	7.28	7.36	7.6	7.59	
Turbidity (NTU)	20*	0.9	0.2	0.6	1.8	15.5	0.5	0.5	**55**	3.5	0.2	0.2	
Conductivity (µmhos/cm)	NE	183	152	521	192	312	325	325	420	483	289	296	
Dissolved Oxygen (mg/L)	<20% sat*	0.84	0.5	0.58	0.3	0.56	0.92	0.92	0.49	1.15	0.33	0.35	
Temperature (°C)	NE	25.2	25.9	25.7	23.7	26	23.2	23.2	23.7	22.7	24.3	24.5	
Metals/Semimetals													
Antimony (mg/L)	0.006	<0.0023	<0.0023	<0.0023			<0.0023	<0.0023		<0.0023			
Arsenic (mg/L)	0.01	0.0022	<0.0013	**0.027**	<0.004	<0.004	<0.0013	<0.0013	<0.004	<0.0013	<0.004	<0.004	
Barium (mg/L)	2	0.0017	0.0069	0.022			0.0058	0.0068		0.011			
Cadmium (mg/L)	0.005	<0.000095	<0.000095	<0.000095	<0.001	<0.001	<0.000095	<0.000095	<0.001	<0.000095	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.0025	<0.0025	<0.0025	<0.002	0.0034	<0.0025	<0.0025	0.012	<0.0025	<0.002	<0.002	
Iron (mg/L)	0.3	**2.5**	**0.51**	**4.7**	0.2	**34**	0.033	0.073	**1.6**	**0.58**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.0002	<0.0002	<0.0002	<0.002	<0.002	0.0002	0.00024	**0.021**	<0.0002	<0.002	<0.002	
Mercury (mg/L)	0.002	<0.000091	<0.000091	<0.000091			<0.000091	0.00017		<0.000091			
Nickel (mg/L)	0.1	<0.002	<0.002	<0.002			<0.002	<0.002		<0.002			
Selenium (mg/L)	0.05	<0.001	<0.001	<0.001			<0.001	<0.001		<0.001			
Sodium (mg/L)	160	18	13	20	20	24	15	18	16	32	8.5	8.8	
Thallium (mg/L)	0.002	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		<0.0005			
Vanadium(mg/L)	0.049**	<0.0038	<0.0038	0.006			<0.0038	<0.0038		<0.0038			
Inorganics													
Ammonia (mg/L)	2.8**	1.2	1	0.91	1	2.6	0.25	0.38	0.26	0.24	0.084	0.084	
Chlorides (mg/L)	250	46	37	85	57	55	8.4	8.2	19	32	10	11	
Nitrate (mg/L)	10	<0.1	<0.1	<0.1			<0.1	<0.1		<0.1			
Total Dissolved Solids (mg/L)	500	120	98	340	150	190	240	230	300	320	190	200	
Organics													
Acryonitrile (µg/L)	0.06**	<1.2	<1.2	<1.2		<1.2	<1.2	<1.2		<1.2			PQL @ 20 µg/L
Benzene (µg/L)	1	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5			
Bis (2-ethylhexyl) phthalate (µg/L)	6					<1.2							
Chlorobenzene (µg/L)	100	<0.63	<0.63	<0.63		<0.63	<0.63	<0.63		<0.63			
Chloroethane	12**	<2.5	<2.5	<2.5		<2.5	<2.5	<2.5		<2.5			
1,2-dichlorobenzene (µg/L)	600	<0.44	<0.44	<0.44		<0.44	<0.44	<0.44		<0.44			
1,4-dichlorobenzene (µg/L)	75	<0.52	<0.52	<0.52		<0.52	<0.52	<0.52		<0.52			
1,1-dichloroethane (µg/L)	70**	<0.52	<0.52	<0.52		<0.52	<0.52	<0.52		<0.52			
1,2-dichloroethane (µg/L)	3	<0.57	<0.57	<0.57		<0.57	<0.57	<0.57		<0.57			
1,1-dichloroethene (µg/L)	7	<0.45	<0.45	<0.45		<0.45	<0.45	<0.45		<0.45			
cis-1,2-dichloroethene (µg/L)	70	<0.65	<0.65	<0.65		<0.65	<0.65	<0.65		<0.65			
Ethylbenzene (µg/L)	30	<0.44	<0.44	<0.44		<0.44	<0.44	<0.44		<0.44			
Methylene chloride (µg/L)	5	<4	<4	<4		<4	<4	<4		<4			
Tetrachloroethene (µg/L)	3	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5			
Toluene (µg/L)	40	<0.51	<0.51	<0.51		<0.51	<0.51	<0.51		<0.51			
Trichloroethene (µg/L)	3	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5			
Trichlorofluoromethane (µg/L)	2100**	<2.5	<2.5	<2.5		<2.5	<2.5	<2.5		<2.5			
Vinyl Chloride (µg/L)	1	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5			
Xylenes (µg/L)	20	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5		<0.5			

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer

NE = not established
NA = not analyzed
NS = not sampled

* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 9th "IAMP" MONITORING EVENT
ADaPT files provided on ??
Well TH-30 sampled in place of P-18S for this event

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 2/14 to 2/16/11
GW Contour Map -- N
Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- Private wells: Sherrif #1	Sherrif #2	Barnes	Holdren	Holland	Weeks						Notes (as needed)
Field Measurements													
Depth to Water	Ft below TOC	NS	NS	NA	NS	NA	NA						W/L measured on
Water Level Elevation	NE	NS	NS	NA	NS	NA	NA						
pH (Std. Units)	6.5 - 8.5			7.41		7.19	7.09						
Turbidity (NTU)	20*			2.3		0.1	0.5						
Conductivity (µmhos/cm)	NE			314		340	466						
Dissolved Oxygen (mg/L)	<20% sat*			**2.85**		0.51	1.27						
Temperature (°C)	NE			21.9		23.9	23.5						
Metals/Semimetals													
Antimony (mg/L)	0.006			<0.0023		<0.0023	<0.0023						
Arsenic (mg/L)	0.01			<0.0013		<0.0013	0.0039						
Barium (mg/L)	2			0.0051		0.004	0.005						
Cadmium (mg/L)	0.005			<0.000095		<0.000095	<0.000095						
Chromium (mg/L)	0.1			<0.0025		<0.0025	<0.0025						
Iron (mg/L)	0.3			<0.033		**1.6**	**0.49**						
Lead (mg/L)	0.015			0.0013		<0.0002	0.00068						
Mercury (mg/L)	0.002			<0.000091		<0.000091	<0.000091						
Nickel (mg/L)	0.1			<0.002		0.0061	<0.002						
Selenium (mg/L)	0.05			<0.001		<0.001	<0.001						
Sodium (mg/L)	160			15		5.4	8.6						
Thallium (mg/L)	0.002			<0.0005		<0.0005	<0.0005						
Vanadium(mg/L)	0.049**			<0.0038		<0.0038	<0.0038						
Inorganics													
Ammonia (mg/L)	2.8**			0.083		0.016	0.058						
Chlorides (mg/L)	250			8.2		20	39						
Nitrate (mg/L)	10			0.12		<0.1	<0.1						
Total Dissolved Solids (mg/L)	500			210		210	310						
Organics													
Acryonitrile (µg/L)	0.06**			<1.2		<1.2	<1.2						PQL @ 20 µg/L
Benzene (µg/L)	1			<0.5		<0.5	<0.5						
Chlorobenzene (µg/L)	100			<0.63		<0.63	<0.63						
Chloroethane	12**			<2.5		<2.5	<2.5						
1,2-dichlorobenzene (µg/L)	600			<0.44		<0.44	<0.44						
1,4-dichlorobenzene (µg/L)	75			<0.52		<0.52	<0.52						
1,1-dichloroethane (µg/L)	70**			<0.52		<0.52	<0.52						
1,2-dichloroethane (µg/L)	3			<0.57		<0.57	<0.57						
1,1-dichloroethene (µg/L)	7			<0.45		<0.45	<0.45						
cis-1,2-dichloroethene (µg/L)	70			<0.65		<0.65	<0.65						
Ethylbenzene (µg/L)	30			<0.44		<0.44	<0.44						
Methylene chloride (µg/L)	5			<4		<4	<4						
Tetrachloroethene (µg/L)	3			<0.5		<0.5	<0.5						
Toluene (µg/L)	40			<0.51		<0.51	<0.51						
Trichloroethene (µg/L)	3			<0.5		<0.5	<0.5						
Trichlorofluoromethane (µg/L)	2100**			<2.5		<2.5	<2.5						
Vinyl Chloride (µg/L)	1			<0.5		<0.5	<0.5						
Xylenes (µg/L)	20			<0.5		<0.5	<0.5						

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 9th "IAMP" MONITORING EVENT

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TRENDS ✓ (EXCEPT pH)

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 2/24 & 2/25/11
GW Contour Map -- N
Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC										NA	NA	W/L measured on 2/XX/11
Water Level Elevation	NE										NA	NA	P-18S --
pH (Std. Units)	6.5 - 8.5	**5.32**	**5.34**	**5.79**	**4.81**	**5.62**	7.45	7.65	7.29	7.34	7.66	7.69	
Turbidity (NTU)	20*	4.5	0.2	0.5	3.1	16.4	0.6	0.3	**41.1**	1	0.1	0.1	
Conductivity (µmhos/cm)	NE	199	164	692	208	340	432	345	541	513	373	381	
Dissolved Oxygen (mg/L)	<20% sat*	0.6	0.16	0.59	0.18	0.38	0.82	0.46	**2.26**	0.19	0.05	0.07	
Temperature (°C)	NE	26.1	25.97	25.76	23.82	26.15	23.37	23.4	23.66	22.85	24.48	24.45	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.025**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	<0.002	<0.002	0.0097	<0.002	<0.002	0.0093	<0.002	<0.002	<0.002	
Iron (mg/L)	0.3	**2.5**	**0.35**	**4**	0.19	**17**	<0.05	<0.05	**1.2**	**0.53**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	0.0029	<0.002	0.0022	**0.019**	0.0024	**0.025**	<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	17	11	21	20	28	14	16	15	31	8.7	8.7	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	1.2	0.92	0.95	1.3	**3**	0.21	0.26	0.19	0.22	0.096	0.065	
Chlorides (mg/L)	250	45	34	92	57	61	8.3	8.2	18	32	9.9	11	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	130	110	380	160	170	250	230	320	350	220	230	
Organics													
Acryonitrile (µg/L)	0.06**					<1.2							PQL @ 20 µg/L
Benzene (µg/L)	1					<0.5							
Bis (2-ethylhexyl) phthalate (µg/L)	6					<1.3							
Chlorobenzene (µg/L)	100					<0.63							
Chloroethane	12**					<2.5							
1,2-dichlorobenzene (µg/L)	600					<1.1							
1,4-dichlorobenzene (µg/L)	75					<1.2							
1,1-dichloroethane (µg/L)	70**					<0.52							
1,2-dichloroethane (µg/L)	3					<0.57							
1,1-dichloroethene (µg/L)	7					<0.45							
cis-1,2-dichloroethene (µg/L)	70					<0.65							
Ethylbenzene (µg/L)	30					<0.44							
Methylene chloride (µg/L)	5					<4							
Tetrachloroethene (µg/L)	3					<0.5							
Toluene (µg/L)	40					<0.51							
Trichloroethene (µg/L)	3					<0.5							
Trichlorofluoromethane (µg/L)	2100**					<2.5							
Vinyl Chloride (µg/L)	1					<0.5							
Xylenes (µg/L)	20					<0.5							

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 10th "IAMP" MONITORING EVENT
ADaPT files provided on ??
Well TH-30 sampled in place of P-18S for this event

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TRENDS ✓ (except alk)

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)

County -- Hillsborough
Date Sampled -- 3/3 & 3/4/11
GW Contour Map -- N

Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells												Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	P-18S A/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements														
Depth to Water	Ft below TOC											NA	NA	W/L measured on 3/XX/11
Water Level Elevation	NE											NA	NA	P-18S --
pH (Std. Units)	6.5 - 8.5	**5.18**	**5.16**	**5.68**	**4.86**	**4.68**	**5.56**	7.48	7.71	7.73	7.35	7.68	7.72	
Turbidity (NTU)	20*	13.2	0.6	0.6	**38.6**	2.4	19.4	0.1	0.1	**40.8**	0.8	0.3	0.8	
Conductivity (µmhos/cm)	NE	229	198	591	132	239	382	419	378	527	579	370	379	
Dissolved Oxygen (mg/L)	<20% sat*	0.51	0.24	0.42	0.28	0.3	0.53	0.35	0.34	0.25	0.77	0.08	0.43	
Temperature (°C)	NE	26	25.8	25.6	19.62	24.48	26	23.4	23.4	23.7	22.8	24.48	24.66	
Metals/Semimetals														
Antimony (mg/L)	0.006													
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.024**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Arsenic (mg/L)	0.01				<0.004					<0.004				Filtered sample
Barium (mg/L)	2													
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium (mg/L)	0.005				<0.001					<0.001				Filtered sample
Chromium (mg/L)	0.1	0.0033	<0.002	0.0023	0.0083	0.0021	0.0038	<0.002	<0.002	0.0097	<0.002	<0.002	<0.002	
Chromium (mg/L)	0.1				<0.002					<0.002				Filtered sample
Iron (mg/L)	0.3	**2.7**	**0.48**	**4.1**	**2.2**	0.25	**21**	<0.05	<0.05	**1.2**	**0.43**	<0.05	<0.05	
Iron (mg/L)	0.3				**2**					<0.05				Filtered sample
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.014	<0.002	0.0025	<0.002	
Lead (mg/L)	0.015				<0.002					<0.002				Filtered sample
Mercury (mg/L)	0.002													
Nickel (mg/L)	0.1													
Selenium (mg/L)	0.05													
Sodium (mg/L)	160	18	13	19	8.7	21	29	14	16	16	32	8.6	8.6	
Sodium (mg/L)	160				9					16				Filtered sample
Thallium (mg/L)	0.002													
Vanadium(mg/L)	0.049**				0.025					0.0085				
Vanadium(mg/L)	0.049**				0.0025					<0.0025				Filtered sample
Inorganics														
Ammonia (mg/L)	2.8**	1.1	0.88	0.61	0.45	0.89	2.1	0.2	0.27	0.17	0.23	0.13	0.13	
Chlorides (mg/L)	250	43	39	76	17	60	61	8.3	8.4	17	31	9.9	11	
Nitrate (mg/L)	10													
Total Dissolved Solids (mg/L)	500	140	110	300	92	150	200	240	230	310	330	190	210	
Organics														
Acryonitrile (µg/L)	0.06**						<1.2							PQL @ 20 µg/L
Benzene (µg/L)	1						<0.5							
Bis (2-ethylhexyl) phthalate (µg/L)	6						<1.3							
Chlorobenzene (µg/L)	100						<0.63							
Chloroethane	12**						<2.5							
1,2-dichlorobenzene (µg/L)	600						<1.1							
1,4-dichlorobenzene (µg/L)	75						<1.2							
1,1-dichloroethane (µg/L)	70**						<0.52							
1,2-dichloroethane (µg/L)	3						<0.57							
1,1-dichloroethene (µg/L)	7						<0.45							
cis-1,2-dichloroethene (µg/L)	70						<0.65							
Ethylbenzene (µg/L)	30						<0.44							
Methylene chloride (µg/L)	5						<4							
Tetrachloroethene (µg/L)	3						<0.5							
Toluene (µg/L)	40						<0.51							
Trichloroethene (µg/L)	3						<0.5							
Trichlorofluoromethane (µg/L)	2100**						<2.5							
Vinyl Chloride (µg/L)	1						<0.5							
Xylenes (µg/L)	20						<0.5							

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 11th "IAMP" MONITORING EVENT
ADaPT files provided on ??
Both wells P-18S and TH-30 sampled for this event

Analytical Results Summary for Ground Water Samples Collected as Part of the Initial Assessment Monitoring Plan [IAMP]

TROMPS (except 4Q)

Facility Name -- Southeast County Class I Landfill
Analytical Laboratory -- Test America
Filtered Metals -- N Equipment Blank -- Y Duplicate -- Y (location not identified)
County -- Hillsborough
Date Sampled -- 3/10 & 3/11/11
GW Contour Map -- N
Sampling frequency -- weekly
Date Received -- 4/XX/11 [3/24/11 via e-mail]
Exceedances summarized -- N

PARAMETERS	Ground Water Standard	Well Identification Number -- IAMP Monitor Wells											Notes (as needed)
		TH-28A D/S	TH-57 D/S	TH-58 D/S	TH-30 A/S	TH-73 D/S	TH-19 B/F	TH-40 D/F	TH-42 A/F	TH-72 D/F	SUP-1 A/F	SUP-2 A/F	
Field Measurements													
Depth to Water	Ft below TOC										NA	NA	W/L measured on 3/XX/11
Water Level Elevation	NE										NA	NA	P-18S --
pH (Std. Units)	6.5 - 8.5	**5.24**	**5.24**	**5.76**	**4.71**	**5.56**	7.51	7.66	7.41	7.41	7.66	7.65	
Turbidity (NTU)	20*	4.8	0.5	0.6	3.9	8.3	0.2	0.1	**57.5**	0.9	0.3	0.3	
Conductivity (µmhos/cm)	NE	210	167	524	231	371	400	351	503	551	330	332	
Dissolved Oxygen (mg/L)	<20% sat*	0.8	0.37	0.47	0.16	0.66	0.33	0.43	0.37	1.26	0.07	0.06	
Temperature (°C)	NE	26.54	26.7	25.38	23.58	25.97	23.34	23.3	23.42	22.73	24.37	24.33	
Metals/Semimetals													
Antimony (mg/L)	0.006												
Arsenic (mg/L)	0.01	<0.004	<0.004	**0.026**	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
Barium (mg/L)	2												
Cadmium (mg/L)	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chromium (mg/L)	0.1	<0.002	<0.002	<0.002	<0.002	0.0034	<0.002	<0.002	0.012	<0.002	<0.002	<0.002	
Iron (mg/L)	0.3	**2.8**	**0.45**	**4**	0.19	**21**	<0.05	<0.05	**1.2**	**0.35**	<0.05	<0.05	
Lead (mg/L)	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	0.0033	0.0026	**0.017**	0.0035	0.003	<0.002	
Mercury (mg/L)	0.002												
Nickel (mg/L)	0.1												
Selenium (mg/L)	0.05												
Sodium (mg/L)	160	18	11	17	20	27	13	16	15	31	8.6	8.4	
Thallium (mg/L)	0.002												
Vanadium(mg/L)	0.049**												
Inorganics													
Ammonia (mg/L)	2.8**	0.88	0.83	0.68	0.96	1.7	0.23	0.33	0.26	0.18	0.17	0.17	
Chlorides (mg/L)	250	46	38	63	57	60	8.1	8	17	30	9.7	10	
Nitrate (mg/L)	10												
Total Dissolved Solids (mg/L)	500	110	98	280	130	170	230	210	310	320	190	190	
Organics													
Acryonitrile (µg/L)	0.06**					<1.2							PQL @ 20 µg/L
Benzene (µg/L)	1					<0.5							
Bis (2-ethylhexyl) phthalate (µg/L)	6					<1.3							
Chlorobenzene (µg/L)	100					<0.63							
Chloroethane	12**					<2.5							
1,2-dichlorobenzene (µg/L)	600					<1.1							
1,4-dichlorobenzene (µg/L)	75					<1.2							
1,1-dichloroethane (µg/L)	70**					<0.52							
1,2-dichloroethane (µg/L)	3					<0.57							
1,1-dichloroethene (µg/L)	7					<0.45							
cis-1,2-dichloroethene (µg/L)	70					<0.65							
Ethylbenzene (µg/L)	30					<0.44							
Methylene chloride (µg/L)	5					<4							
Tetrachloroethene (µg/L)	3					<0.5							
Toluene (µg/L)	40					<0.51							
Trichloroethene (µg/L)	3					<0.5							
Trichlorofluoromethane (µg/L)	2100**					<2.5							
Vinyl Chloride (µg/L)	1					<0.5							
Xylenes (µg/L)	20					<0.5							

Monitor Well Descriptions: A = assessment; B = background; C = compliance; D= detection / S = surficial aquifer; F = Floridan aquifer
NE = not established
NA = not analyzed
NS = not sampled
* = SOP FS 2200 (Ground water sampling)
** = Minimum criteria (Chapter 62-777, F.A.C.)

NOTE: THIS REPRESENTS THE 12th "IAMP" MONITORING EVENT
ADaPT files provided on ??
Well TH-30 sampled in place of P-18S for this event

Table A -- Summary of Selected Analytical Results Reported for the "IAMP Events" Conducted at Southeast Landfill, Hillsborough County

Parameter/ Sampling Event	Ground Water Standard	Phases I-VI Background TH-22/22A	Monitor Well Identification Number: IAMP SURFICIAL AQUIFER WELLS TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	IAMP FLORIDAN AQUIFER WELLS TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2	
pH (S.U.)																	
Aug-99	6.5	**4.42**	**4.97**	**5.22**	**5.7**		**4.81**		7.14	7.35							
Feb-00	6.5	**4.22**	**4.88**	**5.07**	**5.5**		**4.62**		**5.14**	7.29							
Aug-01	6.5	**4.59**	**5.11**	**5.3**	**5.87**		**4.96**		7.18	6.87							
Feb-02	6.5	**4.48**	**5.07**	**5.39**	**5.75**		**4.85**		7.25	7.06							
Aug-02	6.5	**4.3**	**4.89**	**5.18**	**5.7**		**4.8**		7.16	7.54							
Nov-02	6.5	**4.85**	**5.27**														
Feb-03	6.5	**4.72**	**5.3**	**5.33**	**5.78**		**4.83**		7.14	6.99							
Aug-03	6.5	**4.56**	**5.21**	**4.43**	**5.73**				7.49	7.8							
Feb-04	6.5	**4.48**	**5.2**	**5.34**	**5.67**		**4.83**		7.17	7.55							
Aug-04	6.5	**4.7**	**5.15**	**5.13**	**5.66**				7.23	7.56							
Feb-05	6.5	**4.55**	**5.21**	**5.3**	**5.81**				7.33	7.67							
Aug-05	6.5	**4.7**	**5.05**	**5.25**	**5.64**				7.26	7.65							
Feb-06	6.5	**4.48**	**5.16**	**5.2**	**5.71**				7.32	7.61							
Aug-06	6.5	**4.47**	**5.1**	**5.08**	**5.61**				7.21	6.86							
Nov-06	6.5	**4.26**	**4.99**	**5.03**	**5.42**												
Feb-07	6.5	**4.4**	**5.11**	**5.25**	**5.65**				7.35	7.75							
Aug-07	6.5	**4.48**	**5.15**	**5.18**	**5.7**				7.25	7.49							
Nov-07	6.5	**4.42**	**5.31**	**5.1**	**5.71**				7.09	7.48							
Feb-08	6.5	**4.92**	**5.92**	**5.25**	7.03				7.51	6.99							
May-08	6.5	**4.21**	**4.85**	**4.9**	**5.41**				7.12	7.42							
Aug-08	6.5	**4.05**	**4.63**	**4.73**	**5.31**				**5.27**	6.69							
Nov-08	6.5	**4.21**	**4.78**	**4.92**	**5.5**				6.86	7.48							
Feb-09	6.5	**4.77**	**5.11**	**5.16**	**5.64**				**6.42**	**5.13**							
May-09	6.5	**4.51**	**5.03**	**5.09**	**5.66**				6.74	**6.41**							
Aug-09	6.5	6.87	**5.08**	**5.25**	**5.4**				6.57	6.64							
Nov-09	6.5	**4.41**	**5.15**	**5.14**	**5.68**				6.9	7.38							
Feb-10	6.5	**4.6**	**5.28**	**5.33**	**5.79**				7.31	7.09							
May-10	6.5	**4.86**	**5.22**	**5.2**	**5.81**				7.2	6.71							
Aug-10	6.5	**4.32**	**4.77**	**4.77**	**5.26**				**6.45**	7.78							
Nov-10	6.5	**4.38**	**5.27**	**5.14**	**5.74**				7.18	7.5							
Dec-10	6.5		**5.22**	**5.05**	**5.76**	**4.56**			7.37	7.61	7.29				7.64	7.4	IAMP #1
Dec-10	6.5		**5.11**	**5.21**	**5.66**	**4.47**			7.4	7.55	7.21		7.63	7.59			IAMP #2
Jan-11	6.5		**5.12**	**5.08**	**5.71**	**4.63**			7.33	7.2	7.24		7.51	7.57			IAMP #3
Jan-11	6.5		**5.25**	**5.24**	**5.78**	**4.61**			7.41	7.54	7.31		7.64	7.42			IAMP #4
Jan-11	6.5		**5.15**	**5.23**	**5.74**	**4.64**		**5.83**	7.36	7.52	7.02	7.27	7.45	7.45			IAMP #5
Jan-11	6.5		**5.09**	**4.99**	**5.76**	**4.75**		**5.53**	7.51	7.73	7.43	7.43	7.63	7.59			IAMP #6
Feb-11	6.5		**5.07**	**5.08**	**5.73**		**4.45**	**5.62**	7.49	7.74	7.07	7.38	7.59	7.62			IAMP #7
Feb-11	6.5		**5.06**	**5.02**	**5.74**		**4.36**	**5.62**	7.56	7.68	7.26	7.34	7.66	7.76			IAMP #8
Feb-11	6.5	**4.36**	**5.14**	**5.24**	**5.72**		**4.45**	**5.54**	7.58	7.58	7.28	7.36	7.6	7.59			IAMP #9/routine
Feb-11	6.5		**5.32**	**5.34**	**5.79**		**4.81**	**5.62**	7.45	7.65	7.29	7.34	7.66	7.69			IAMP #10
Mar-11	6.5		**5.18**	**5.16**	**5.68**	**4.86**	**4.68**	**5.56**	7.48	7.71	7.73	7.35	7.68	7.72			IAMP #11
Mar-11	6.5		**5.24**	**5.24**	**5.76**		**4.71**	**5.56**	7.51	7.66	7.41	7.41	7.66	7.65			IAMP #12
	6.5																
	6.5																
	MAXIMUM	6.87	**5.92**	**5.39**	7.03	**4.86**	**4.96**	**5.83**	7.58	7.8	7.73	7.43	7.68	7.76	7.64	7.4	
	MINIMUM	**4.05**	**4.63**	**4.43**	**5.26**	**4.47**	**4.36**	**5.53**	**5.14**	**5.13**	7.02	7.27	7.45	7.42	7.64	7.4	

NOTES: - for the purposes of this summary table, values reported to be BDL are reported in this table at HALF the detection limit

Table A -- Summary of Selected Analytical Results Reported for the "IAMP Events" Conducted at Southeast Landfill, Hillsborough County

Parameter/ Sampling Event	Ground Water Standard	Monitor Well Identification Number														
		Phases I-VI Background TH-22/22A	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
			TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2
Iron (mg/L)																
Aug-99	0.3	**0.57**	**2.05**	**0.56**	**7.3**		0.28		0.14	0.12						
Feb-00	0.3	**0.64**	**2.3**	**0.51**	**7**		0.28		0.15	0.14						
Aug-01	0.3	**0.52**	**2.3**	**0.51**	**7.9**		0.22		0.02	0.02						
Feb-02	0.3	**0.53**	**2.3**	**0.49**	**9.2**		0.22		0.02	0.02						
Aug-02	0.3	**0.53**	**2.2**	**0.55**	**8.1**		0.22		0.02	0.02						
Nov-02	0.3	**1.4**	**4**													
Feb-03	0.3	**1.2**	**3.7**	**0.56**	**7.3**		0.24		0.02	0.02						
Aug-03	0.3	**0.72**	**3.2**	**0.61**	**6.5**				0.03	0.03						
Feb-04	0.3	**0.58**	**3.2**	**0.56**	**7.2**		0.25		0.0065	0.024						
Aug-04	0.3	**0.56**	**2.9**	**0.57**	**8.3**				0.018	0.025						
Feb-05	0.3	**0.67**	**3.1**	**0.49**	**6.8**				0.047	0.024						
Aug-05	0.3	0.0201	**2.19**	**0.569**	**6.43**				0.0201	0.0477						
Feb-06	0.3	**0.53**	**2.9**	**0.46**	**6**				0.023	0.033						
Aug-06	0.3	**0.6**	**3.2**	**0.43**	**6.9**				0.0195	0.057						
Nov-06	0.3	**0.64**	**2.9**	**0.59**	**7.6**											
Feb-07	0.3	**0.61**	**3.6**	**0.45**	**6**				0.0195	0.0195						
Aug-07	0.3	**0.67**	**4.2**	**0.48**	**6.6**				0.0195	0.0195						
Nov-07	0.3	**0.41**	**3**	**0.55**	**5.3**				0.0185	0.0185						
Feb-08	0.3	**0.53**	**2.9**	**0.63**	**5.3**				0.0185	0.0185						
May-08	0.3	**0.4**	**2.7**	**0.48**	**6.1**				0.0185	0.0185						
Aug-08	0.3	**0.43**	**2.6**	**0.67**	**6.9**				0.0185	0.0185						
Nov-08	0.3	**0.39**	**3**	**0.57**	**5.8**				0.0185	0.0185						
Feb-09	0.3	**0.57**	**2.6**	**0.46**	**5.2**				0.025	0.025						
May-09	0.3	**0.39**	**2.7**	**0.44**	**4.9**				0.025	0.025						
Aug-09	0.3	**0.48**	**2.7**	**1.1**	**5.3**				0.025	0.025						
Nov-09	0.3	**0.31**	**2.6**	**0.72**	**5.1**				0.0165	0.0165						
Feb-10	0.3	**0.42**	**2.7**	**0.57**	**5.2**				0.27	0.0165						
May-10	0.3	**0.4**	**3**	**0.94**	**5.7**				0.0165	0.0165						
Aug-10	0.3	**0.5**	**3**	**0.41**	**5.2**				0.0165	0.0165						
Nov-10	0.3	**0.4**	**2.5**	**0.55**	**4.7**				0.0165	0.041						
Dec-10	0.3		**2.5**	**0.32**	**4.7**	**4.5**			0.0165	0.041	**25**				0.12	0.0165
Dec-10	0.3															
Jan-11	0.3															
Jan-11	0.3		**2.5**	**0.51**	**5**	**1.6**			0.051	0.065	**3.5**		0.025	0.025	0.025	0.025
Jan-11	0.3		**2.4**	**0.52**	**4.9**	**1.6**		**33**	0.025	0.11	**3.8**	**0.83**	0.058	0.025		
Jan-11	0.3		**2.4**	**0.41**	**5**	**1.9**		**15**	0.025	0.063	**3.8**	**0.52**	0.025	0.025		
Feb-11	0.3		**2.2**	**0.48**	**4.4**		0.2	**31**	0.025	0.025	**6.6**	**0.62**	0.025	0.025		
Feb-11	0.3		**2.4**	**0.43**	**4.9**		0.2	**26**	0.025	0.025	**2.5**	**0.54**	0.025	0.025		
Feb-11	0.3	**0.49**	**2.5**	**0.51**	**4.7**		0.2	**34**	0.033	0.073	**1.6**	**0.58**	0.025	0.025		
Feb-11	0.3		**2.5**	**0.35**	**4**		0.19	**17**	0.025	0.025	**1.2**	**0.53**	0.025	0.025		
Mar-11	0.3		**2.7**	**0.48**	**4.1**	**2.2**	0.25	**21**	0.025	0.025	**1.2**	**0.43**	0.025	0.025		
Mar-11	0.3		**2.8**	**0.45**	**4**		0.19	**21**	0.025	0.025	**1.2**	**0.35**	0.025	0.025		
	0.3															
	0.3															
	MAXIMUM	**1.4**	**4.2**	**1.1**	**9.2**	**4.5**	0.28	**34**	0.27	0.14	**25**	**0.83**	0.058	0.025	0.12	0.025
	MINIMUM	0.0201	**2.05**	**0.32**	**4**	**1.6**	0.19	**15**	0.0065	0.0165	**1.2**	**0.35**	0.025	0.025	0.025	0.0165

Dec-10	IAMP #1
Dec-10	IAMP #2
Jan-11	IAMP #3
Jan-11	IAMP #4
Jan-11	IAMP #5
Jan-11	IAMP #6
Feb-11	IAMP #7
Feb-11	IAMP #8
Feb-11	IAMP #9/routine
Feb-11	IAMP #10
Mar-11	IAMP #11
Mar-11	IAMP #12

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Table A -- Summary of Selected Analytical Results Reported for the "IAMP Events" Conducted at Southeast Landfill, Hillsborough County

Parameter/ Sampling Event	Ground Water Standard	Phases I-VI Background TH-22/22A	Monitor Well Identification Number: IAMP SURFICIAL AQUIFER WELLS TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	IAMP FLORIDAN AQUIFER WELLS TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2	
Ammonia (mg/L)																	
Aug-99	2.8	0.34	0.69	1.05	1.48		1.32		0.25	0.32							
Feb-00	2.8	0.29	0.96	1.24	1.29		0.71		0.2	0.18							
Aug-01	2.8	0.88	1.4	1.7	2.3		1.9		0.46	0.52							
Feb-02	2.8	**5.2**	1.9	1.6	1.7		1.3		0.81	0.49							
Aug-02	2.8	0.93	1.5	1.5	2.3		2		0.44	0.38							
Nov-02	2.8	0.98	2.7														
Feb-03	2.8	0.94	**3**	1.9	1.3		2		0.44	0.52							
Aug-03	2.8	1	2.7	2.2	1.8				0.44	0.57							
Feb-04	2.8	1	2.6	1.8	1.9		1.9		0.39	0.44							
Aug-04	2.8	0.96	2.2	1.2	1.7				0.33	0.34							
Feb-05	2.8	1.1	2.6	1.4	1.6				0.35	0.37							
Aug-05	2.8	0.262	1.94	1.25	0.95				0.262	0.316							
Feb-06	2.8	1.2	**3**	1.4	1.6				0.37	0.45							
Aug-06	2.8	1.8	**3.5**	1.7	**3.6**				0.67	0.78							
Nov-06	2.8	0.69	2	2	1.5												
Feb-07	2.8	0.96	**3**	1.2	1.4				0.35	0.62							
Aug-07	2.8	1	2.2	1.6	1.8				0.26	0.33							
Nov-07	2.8	0.98	0.37	1.4	1.7				0.37	0.43							
Feb-08	2.8	0.84	1.2	1.3	1.3				0.3	0.38							
May-08	2.8	0.75	2.1	1.4	1.5				0.3	0.34							
Aug-08	2.8	0.8	1.3	0.88	0.61				0.29	0.34							
Nov-08	2.8	0.86	1.5	1	0.65				0.39	0.43							
Feb-09	2.8	0.73	1.4	0.94	0.64				0.28	0.32							
May-09	2.8	0.8	1.5	0.83	0.75				0.28	0.38							
Aug-09	2.8	0.82	1.4	1.1	0.67				0.35	0.36							
Nov-09	2.8	0.82	1.5	1.2	0.57				0.3	0.38							
Feb-10	2.8	0.82	1.6	1.1	1				0.51	0.55							
May-10	2.8	0.72	1.3	0.98	0.82				0.33	0.34							
Aug-10	2.8	0.67	1.1	0.79	0.69				0.26	0.34							
Nov-10	2.8	0.55	1.3	0.95	0.62				0.18	0.28							
Dec-10	2.8		1.4	0.79	0.66	0.58			0.25	0.31	0.36				0.15	0.26	IAMP #1
Dec-10	2.8		1.2	0.93	0.75	0.62			0.23	0.42	0.24		0.17	0.15			IAMP #2
Jan-11	2.8		1.4	0.82	0.64	0.48			0.27	0.27	0.16		0.18	0.16			IAMP #3
Jan-11	2.8		1	0.85	0.61	0.52			0.24	0.27	0.2		0.13	0.28			IAMP #4
Jan-11	2.8		1.1	0.64	0.74	0.44		2.2	0.28	0.31	0.27	0.21	0.15	0.14			IAMP #5
Jan-11	2.8		0.94	0.88	0.68	0.49		2.3	0.23	0.29	0.22	0.22	0.17	0.13			IAMP #6
Feb-11	2.8		0.91	0.87	0.61		0.94	1.9	0.22	0.32	0.24	0.21	0.14	0.18			IAMP #7
Feb-11	2.8		1.3	1	0.92		1.5	2	0.29	0.31	0.27	0.28	0.11	0.11			IAMP #8
Feb-11	2.8	0.62	1.2	1	0.91		1	2.6	0.25	0.38	0.26	0.24	0.084	0.084			IAMP #9/routine
Feb-11	2.8		1.2	0.92	0.95		1.3	**3**	0.21	0.26	0.19	0.22	0.096	0.065			IAMP #10
Mar-11	2.8		1.1	0.88	0.61	0.45	0.89	2.1	0.2	0.27	0.17	0.23	0.13	0.13			IAMP #11
Mar-11	2.8		0.88	0.83	0.68		0.96	1.7	0.23	0.33	0.26	0.18	0.17	0.17			IAMP #12
	2.8																
	2.8																
	MAXIMUM	**5.2**	**3.5**	2.2	**3.6**	0.62	2	**3**	0.81	0.78	0.36	0.28	0.18	0.28	0.15	0.26	
	MINIMUM	0.262	0.37	0.64	0.57	0.44	0.71	1.7	0.18	0.18	0.16	0.18	0.084	0.065	0.15	0.26	

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		Phases I-VI	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
		Background	TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2
		TH-22/22A														
TDS (mg/L)																
Aug-99	500	184	140	108	212		128		264	212						
Feb-00	500	320	140	108	188		124		72	236						
Aug-01	500	170	200	97	230		150		240	220						
Feb-02	500	160	160	97	180		130		260	210						
Aug-02	500	160	130	95	200		97		250	220						
Nov-02	500	150	160													
Feb-03	500	160	170	100	250		120		240	220						
Aug-03	500	170	140	98	200				260	210						
Feb-04	500	160	160	130	190		150		270	220						
Aug-04	500	200	150	110	310				260	220						
Feb-05	500	180	140	99	220				260	220						
Aug-05	500	266	186	156	**526**				266	236						
Feb-06	500	180	130	84	220				240	190						
Aug-06	500	190	120	74	290				230	180						
Nov-06	500	140	110	100	330											
Feb-07	500	150	130	110	290				**550**	210						
Aug-07	500	180	150	110	200				250	190						
Nov-07	500	140	140	120	440				240	190						
Feb-08	500	120	90	110	280				240	190						
May-08	500	170	120	110	240				240	220						
Aug-08	500	160	140	110	410				240	190						
Nov-08	500	150	100	110	300				250	180						
Feb-09	500	150	140	110	230				260	220						
May-09	500	170	150	130	210				250	210						
Aug-09	500	170	150	150	250				260	200						
Nov-09	500	130	130	140	220				240	200						
Feb-10	500	170	150	130	240				260	230						
May-10	500	150	150	130	220				250	200						
Aug-10	500	150	130	94	270				260	200						
Nov-10	500	140	120	100	500				250	200						
Dec-10	500		110	76	490	110			250	210	320				240	260
Dec-10	500		120	110	420	110			230	220	310		180	200		
Jan-11	500		92	100	440	100			220	220	300		210	200		
Jan-11	500		110	80	390	82			220	210	300		190	200		
Jan-11	500		110	98	380	94		200	230	220	320	320	190	210		
Jan-11	500		120	32	380	110		180	250	220	310	320	190	210		
Feb-11	500		110	88	380		110	140	220	210	290	300	190	190		
Feb-11	500		110	82	350		120	160	240	210	300	340	210	210		
Feb-11	500	140	120	98	340		150	190	240	230	300	320	190	200		
Feb-11	500		130	110	380		160	170	250	230	320	350	220	230		
Mar-11	500		140	110	300	92	150	200	240	230	310	330	190	210		
Mar-11	500		110	98	280		130	170	230	210	310	320	190	190		
	500															
	500															
	MAXIMUM	320	200	156	**526**	110	160	200	**550**	236	320	350	220	230	240	260
	MINIMUM	120	90	32	180	82	97	140	72	180	290	300	180	190	240	260

IAMP #1
IAMP #2
IAMP #3
IAMP #4
IAMP #5
IAMP #6
IAMP #7
IAMP #8
IAMP #9/routine
IAMP #10
IAMP #11
IAMP #12

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		Phases I-VI	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
		Background	TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2
		TH-22/22A														
Benzene (µg/L)																
Aug-99	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Feb-00	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Aug-01	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Feb-02	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Aug-02	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Nov-02	1	0.5	0.5													
Feb-03	1	0.5	0.5	0.5	0.5		0.5		0.5	0.5						
Aug-03	1	0.155	0.155	0.155	0.155				0.155	0.155						
Feb-04	1	0.0115	0.0115	0.0115	0.0115		0.155		0.155	0.155						
Aug-04	1	0.15	0.1	0.1	0.1				0.1	0.1						
Feb-05	1	0.115	0.115	0.115	0.115				0.115	0.115						
Aug-05	1	0.0715	0.0715	0.0715	0.0715				0.0715	0.0715						
Feb-06	1	0.135	0.135	0.135	0.135				0.135	0.135						
Aug-06	1	0.25	0.25	0.25	0.25				0.25	0.25						
Nov-06	1	0.25	0.25	0.25	0.25											
Feb-07	1	0.25	0.25	0.25	0.25				0.25	0.25						
Aug-07	1	0.25	0.25	0.25	0.25				0.25	0.25						
Nov-07	1	0.25	0.25	0.25	0.25				0.25	0.25						
Feb-08	1	0.16	0.16	0.16	0.16				0.16	0.16						
May-08	1	0.09	0.09	0.09	0.09				0.09	0.09						
Aug-08	1	0.25	0.25	0.25	0.25				0.25	0.25						
Nov-08	1	0.25	0.25	0.25	0.25				0.25	0.25						
Feb-09	1	0.25	0.25	0.25	0.25				0.25	0.25						
May-09	1	0.25	0.25	0.25	0.25				0.25	0.25						
Aug-09	1	0.25	0.25	0.25	0.25				0.25	0.25						
Nov-09	1	0.25	0.25	0.25	0.25				0.25	0.25						
Feb-10	1	0.25	0.25	0.25	0.25				0.25	0.25						
May-10	1	0.25	0.25	0.25	0.25				0.25	0.25						
Aug-10	1	0.25	0.25	0.25	0.25				0.25	0.25						
Nov-10	1	0.25	0.25	0.25	0.25				0.25	0.25						
Dec-10	1		0.25	0.25	0.25	0.25			0.25	0.25	0.25				0.25	0.25
Dec-10	1															
Jan-11	1															
Jan-11	1															
Jan-11	1							0.25				0.25				
Jan-11	1															
Feb-11	1															
Feb-11	1															
Feb-11	1	0.25	0.25	0.25	0.25		0.25	0.25	0.25	0.25		0.25				
Feb-11	1							0.25								
Mar-11	1							0.25								
Mar-11	1							0.25								
	1															
	1															
	MAXIMUM	0.5	0.5	0.5	0.5	0.25	0.5	0.25	0.5	0.5	0.25	0.25	0	0	0.25	0.25
	MINIMUM	0.0115	0.0115	0.0115	0.0115	0.25	0.155	0.25	0.0715	0.0715	0.25	0.25	0	0	0.25	0.25

Dec-10	IAMP #1
Dec-10	IAMP #2
Jan-11	IAMP #3
Jan-11	IAMP #4
Jan-11	IAMP #5
Jan-11	IAMP #6
Feb-11	IAMP #7
Feb-11	IAMP #8
Feb-11	IAMP #9/routine
Feb-11	IAMP #10
Mar-11	IAMP #11
Mar-11	IAMP #12

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Arsenic (µg/L)																	
Aug-99	0.05	0.0025	0.0025	0.0025	0.026		0.0025		0.0025	0.0025							
Feb-00	0.05	0.0025	0.0025	0.0025	0.024		0.0025		0.0025	0.0025							
Aug-01	0.05	0.0025	0.0025	0.0025	0.027		0.0025		0.0025	0.0025							
Feb-02	0.05	0.0025	0.0025	0.0025	0.035		0.0025		0.0025	0.0025							
Aug-02	0.05	0.0025	0.0025	0.0025	0.032		0.0025		0.0025	0.0025							
Nov-02	0.05	0.0025	0.0025														
Feb-03	0.05	0.005	0.005	0.005	0.029		0.005		0.005	0.005							
Aug-03	0.05	0.001	0.001	0.001	0.028				0.001	0.001							
Feb-04	0.05	0.001	0.001	0.001	0.029		0.001		0.001	0.001							
Aug-04	0.05	0.001	0.0027	0.001	0.029				0.001	0.001							
Feb-05	0.01	0.0014	0.0014	0.0014	**0.031**				0.004	0.0014							
Aug-05	0.01	0.002	0.00689	0.002	**0.0221**				0.002	0.002							
Feb-06	0.01	0.0024	0.0024	0.0024	**0.028**				0.0024	0.0024							
Aug-06	0.01	0.0024	0.0024	0.0024	**0.027**				0.0024	0.0024							
Nov-06	0.01	0.0024	0.0024	0.0024	**0.036**												
Feb-07	0.01	0.0024	0.0024	0.0024	**0.027**				0.0024	0.0024							
Aug-07	0.01	0.0024	0.0024	0.0024	**0.031**				0.0024	0.0024							
Nov-07	0.01	0.0024	0.0024	0.0024	**0.026**				0.0024	0.0024							
Feb-08	0.01	0.0024	0.0024	0.0024	**0.029**				0.0024	0.0024							
May-08	0.01	0.0024	0.0024	0.0024	**0.028**				0.0024	0.0024							
Aug-08	0.01	0.0024	0.0024	0.0024	**0.028**				0.0024	0.0024							
Nov-08	0.01	0.0024	0.0024	0.0024	**0.032**				0.0024	0.0024							
Feb-09	0.01	0.002	0.0044	0.002	**0.028**				0.002	0.002							
May-09	0.01	0.002	0.002	0.002	**0.027**				0.002	0.002							
Aug-09	0.01	0.002	0.002	0.002	**0.028**				0.002	0.002							
Nov-09	0.01	0.00065	0.0024	0.00065	**0.028**				0.00065	0.00065							
Feb-10	0.01	0.00065	0.0021	0.00065	**0.028**				0.00065	0.00065							
May-10	0.01	0.00065	0.0023	0.00065	**0.03**				0.00065	0.00065							
Aug-10	0.01	0.00065	0.0026	0.00065	**0.03**				0.00065	0.00065							
Nov-10	0.01	0.0013	0.003	0.00065	**0.028**				0.00065	0.00065							
Dec-10	0.01		0.0023	0.00065	**0.027**	0.007			0.00065	0.00065	0.0085				0.00065	0.00065	IAMP #1
Dec-10	0.01																IAMP #2
Jan-11	0.01																IAMP #3
Jan-11	0.01		0.0059	0.002	**0.031**	0.0049			0.002	0.0048	0.002		0.002	0.002			IAMP #4
Jan-11	0.01		0.002	0.002	**0.024**	0.002		0.0021	0.002	0.002	0.002	0.0017	0.002	0.002			IAMP #5
Jan-11	0.01		0.002	0.002	**0.026**	0.002		0.002	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #6
Feb-11	0.01		0.002	0.002	**0.027**		0.002	0.0041	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #7
Feb-11	0.01		0.002	0.002	**0.026**		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #8
Feb-11	0.01	0.00065	0.0022	0.00065	**0.027**		0.002	0.002	0.00065	0.00065	0.002	0.00065	0.002	0.002			IAMP #9/routine
Feb-11	0.01		0.002	0.002	**0.025**		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #10
Mar-11	0.01		0.002	0.002	**0.024**	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #11
Mar-11	0.01		0.002	0.002	**0.026**		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002			IAMP #12
	0.01																
	0.01																
	MAXIMUM	0.005	0.00689	0.005	**0.036**	0.007	0.005	0.0041	0.005	0.005	0.0085	0.002	0.002	0.002	0.00065	0.00065	
	MINIMUM	0.00065	0.001	0.00065	**0.0221**	0.002	0.001	0.002	0.00065	0.00065	0.002	0.00065	0.002	0.002	0.00065	0.00065	

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Parameter/ Sampling Event	Ground Water Standard	Monitor Well Identification Number														
		Phases I-VI Background TH-22/22A	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
			TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2	
Sodium																	
Aug-99	160	6.6	10.5	8.2	9.6		9.9		14.3	15.5							
Feb-00	160	6.6	12.6	8.6	9.7		9.8		15.1	15.8							
Aug-01	160	6.8	13	8.8	11		9.5		14	16							
Feb-02	160	6.2	15	8.9	12		9.9		14	15							
Aug-02	160	7.6	16	9.7	12		11		16	17							
Nov-02	160	7.3	15														
Feb-03	160	7.2	14	9.6	11		10		15	16							
Aug-03	160	6.8	14	9.7	10				14	15							
Feb-04	160	7.1	15	9.6	10		11		14	16							
Aug-04	160	7	14	8.6	16				14	15							
Feb-05	160	7.7	16	9.8	16				16	17							
Aug-05	160	6.07	12.2	8.65	52.5				13.2	19.5							
Feb-06	160	6	15	8.1	30				14	16							
Aug-06	160	5.9	17	9.9	44				14	17							
Nov-06	160	7.1	19	11	81												
Feb-07	160	6.2	19	10	49				15	17							
Aug-07	160	5.6	17	10	20				14	17							
Nov-07	160	4.8	17	10	88				14	17							
Feb-08	160	5	16	10	56				13	15							
May-08	160	4.9	17	10	34				15	17							
Aug-08	160	4.9	15	11	73				14	15							
Nov-08	160	5.1	15	9.9	41				15	15							
Feb-09	160	4.4	16	9.3	21				14	15							
May-09	160	4.7	17	9.9	15				13	18							
Aug-09	160	4.5	16	12	29				14	17							
Nov-09	160	4.3	16	11	15				13	17							
Feb-10	160	4.8	18	12	13				14	16							
May-10	160	4.8	20	14	13				14	16							
Aug-10	160	5.1	19	11	15				14	17							
Nov-10	160	5.9	22	17	33				17	23							
Dec-10	160		17	13	38	9.4			14	20	18				9.5	10	IAMP #1
Dec-10	160		17	13	30	8			16	17	15		11	13			IAMP #2
Jan-11	160		17	12	29	7.8			14	16	15		13	9.2			IAMP #3
Jan-11	160		17	12	26	8.2			14	16	16		8.1	8.1			IAMP #4
Jan-11	160		17	12	23	8.3		33	14	16	16	31	8.5	8.6			IAMP #5
Jan-11	160		18	11	22	8.1		38	14	16	15	32	8.7	8.8			IAMP #6
Feb-11	160		16	11	23		19	26	12	15	15	27	8.2	8.4			IAMP #7
Feb-11	160		18	11	20		20	27	14	16	15	31	8.6	8.7			IAMP #8
Feb-11	160	5.1	18	13	20		20	24	15	18	16	32	8.5	8.8			IAMP #9/routine
Feb-11	160		17	11	21		20	28	14	16	15	31	8.7	8.7			IAMP #10
Mar-11	160		18	13	19	8.7	21	29	14	16	16	32	8.6	8.6			IAMP #11
Mar-11	160		18	11	17		20	27	13	16	15	31	8.6	8.4			IAMP #12
	160																
	160																
	MAXIMUM	7.7	22	17	88	9.4	21	38	17	23	18	32	13	13	9.5	10	
	MINIMUM	4.3	10.5	8.1	9.6	7.8	9.5	24	12	15	15	27	8.1	8.1	9.5	10	

NOTES: - for the purposes of this summary table, values reported to be BDL are reported in this table at HALF the detection limit

Table A -- Summary of Selected Analytical Results Reported for the "IAMP Events" Conducted at Southeast Landfill, Hillsborough County

Parameter/ Sampling Event	Ground Water Standard	Monitor Well Identification Number														
		Phases I-VI	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
		Background	TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2	
		TH-22/22A															
Chloride (mg/L)																	
Aug-99	250	23	43	20	12		33		9	8							
Feb-00	250	23	45	18	11		50		8	8							
Aug-01	250	26	54	19	31		36		8.9	9							
Feb-02	250	24	51	18	19		36		8.4	8.2							
Aug-02	250	28	46	19	23		37		8.2	8.4							
Nov-02	250	30	47														
Feb-03	250	31	45	20	27		17		8.2	8.3							
Aug-03	250	33	45	21	13				8.7	8.5							
Feb-04	250	30	45	22	13		40		8.3	8.6							
Aug-04	250	28	44	22	80				8	8							
Feb-05	250	25	43	25	27				8.1	8.3							
Aug-05	250	20.9	38.1	23.3	121				7.42	8.48							
Feb-06	250	24	43	26	40				8	11							
Aug-06	250	23	44	27	96				9.7	9.8							
Nov-06	250	20	44	27	130												
Feb-07	250	24	45	27	68				9.8	10							
Aug-07	250	22	41	32	33				8.4	9							
Nov-07	250	23	45	37	180				8.1	9							
Feb-08	250	23	46	35	90				8.5	8.9							
May-08	250	22	44	39	52				8.8	9							
Aug-08	250	24	45	39	160				8.4	8.8							
Nov-08	250	24	44	39	95				8.4	9.3							
Feb-09	250	23	43	39	39				8.2	8.1							
May-09	250	23	42	35	22				8.2	8.8							
Aug-09	250	25	46	47	44				8.6	9.4							
Nov-09	250	26	46	50	33				7.9	8.1							
Feb-10	250	24	48	40	24				8	8.5							
May-10	250	25	48	51	26				8.5	8.3							
Aug-10	250	25	51	38	69				8.5	9.5							
Nov-10	250	24	45	42	150				8.1	9.2							
Dec-10	250		43	35	190	12			7.8	8.3	17				12	6	IAMP #1
Dec-10	250		42	44	130	10			7.9	8	17		9.9	12			IAMP #2
Jan-11	250		42	39	140	11			8.3	8.7	18		18	12			IAMP #3
Jan-11	250		44	40	130	12			8.6	8.5	18		10	11			IAMP #4
Jan-11	250		46	42	120	14		66	8.5	8.6	18	31	10	11			IAMP #5
Jan-11	250		45	36	97	16		69	8.2	8.2	18	32	9.9	11			IAMP #6
Feb-11	250		46	40	110		57	56	8.3	8.3	18	32	9.9	11			IAMP #7
Feb-11	250		45	40	76		61	56	8.9	8.7	18	31	9.9	11			IAMP #8
Feb-11	250	22	46	37	85		57	55	8.4	8.2	19	32	10	11			IAMP #9/routine
Feb-11	250		45	34	92		57	61	8.3	8.2	18	32	9.9	11			IAMP #10
Mar-11	250		43	39	76	17	60	61	8.3	8.4	17	31	9.9	11			IAMP #11
Mar-11	250		46	38	63		57	60	8.1	8	17	30	9.7	10			IAMP #12
	250																
	250																
	MAXIMUM	33	54	51	190	17	61	69	9.8	11	19	32	18	12	12	6	
	MINIMUM	20	38.1	18	11	10	17	55	7.42	8	17	30	9.7	10	12	6	

NOTES: - for the purposes of this summary table, values reported to be BDL are reported in this table at HALF the detection limit

Table A -- Summary of Selected Analytical Results Reported for the "IAMP Events" Conducted at Southeast Landfill, Hillsborough County

Parameter/ Sampling Event	Ground Water Standard	Monitor Well Identification Number														
		Phases I-VI	IAMP SURFICIAL AQUIFER WELLS						IAMP FLORIDAN AQUIFER WELLS							
		Background TH-22/22A	TH-28/28A	TH-57	TH-58	P-18S	TH-30	TH-73	TH-19	TH-40	TH-42	TH-72	SUP-1	SUP-2	SHERIFF-1	SHERIFF-2
Water Levels (ft NGVD)																
Aug-99		123.12	103.56	107.86	99.27		104.12		32.85	31.67						
Feb-00		123.18	104.06	108.09	99.3		104.18		19.71	16.44						
Aug-01		100.92	104.99	109.44	100.06		105.5		33.61	32.95						
Feb-02		122.4	103.96	107.99	99.24		104.12		20.95	18.91						
Aug-02		124.04	104.57	109.03	99.77		104.39		35.19	34.11						
Nov-02																TH-22A/28A installed
Feb-03																
Aug-03		124.37	101.05	109.26	100.26		104.85		42.26	41.21						
Feb-04		123.34	100.55	109.16	99.64		104.31		31.36	30.92						
Aug-04		124.57	103.96	109.6	101.5		105.32		40.75	39.64						
Feb-05		123.39	103.18	108.72	99.82		105.2		26.63	24.41						
Aug-05		124.63	103.81	109.35	100.63		105.43		38.77	38.06						
Feb-06		123.64	103.19	108.64	99.87				31.33	29.41						
Aug-06		123.93	103.33	109.14	100.36				34.43	33.94						
Nov-06		123.37	102.95	108.55	99.77											
Feb-07		123.55	103.2	108.62	100.24		104.91		33.41	31.83	48.02					
Aug-07		123.33	102.92	108.45	100.08		104.65		27.52	26.65	40.4					
Nov-07		123.13	102.78	108.39	99.77	111.04	104.65		25.2	24.27	44.45					
Feb-08		123.42	103.25	108.56	100	110.83	104.58		26.39	25.81	43.14					
May-08		122.85	102.9	108.22	99.72	111.16	105.57		12.84	11.79	36.97					
Aug-08		123.51	103.11	108.83	100.15	111.75	104.84		38.42	37.94	48.9					
Nov-08		122.56	102.51	108.04	99.56	111.24	104.67		23.35	20.81	42.15					
Feb-09		122.82	103.07	108.18	99.84	110.96	104.67		16.92	16.14	35.56					
May-09		119.91	100.78	107.61	99.56	110.36	104.44		6.57	5.67	29.84					
Aug-09		124.24	103.52	109.32	100.5	111.68	104.93		36.88	36.42	48.51					
Nov-09		123.33	102.82	108.78	99.89	111.6	104.84		24.07	22.74	44.24					
Feb-10		123.99	103.11	108.84	100.28	111.46	104.93		31.23	30.65	46.81					
May-10		123.42	102.55	108.59	100.03	111.41	104.77		24.36	24.26	46.44					
Aug-10		124.32	103.35	109.06	100.36	111.67	105		36.92	36.21	50.92					
Nov-10		123.07	102.5	108.47	99.54	111.57	104.84		25.54	19.79	42.17					
Dec-10		122.82	102.61	108.29	99.63	111.06	104.78		12.69	9.7	27.54					IAMP #1
Dec-10		122.69	102.35	108.1	99.54	110.84	104.68		11.94	8.09	27.52					IAMP #2
Jan-11		122.6	102.22	108.1	99.52	110.92	104.72		12.44	9.91	25.82					IAMP #3
Jan-11		122.91	102.43	108.17	99.57	110.95	104.76		15.39	12.83	27.01					IAMP #4
Jan-11		123.18	102.69	108.33	99.66	111.12	104.88	100.05	16.58	13.84	27.83	13.97				IAMP #5
Jan-11		123.28	102.66	108.37	99.77	111.04	104.89	100.08	19.82	17.08	29.88	15.27				IAMP #6
Feb-11		123.47	102.78	108.37	99.83	111.04	104.83	100.22	23.16	20.62	32.29	18.78				IAMP #7
Feb-11		123.48	102.79	108.89	99.86	110.93	104.77	100.31	25.53	22.96	34.24	21.16				IAMP #8
Feb-11																IAMP #9/routine
Feb-11																IAMP #10
Mar-11																IAMP #11
Mar-11																IAMP #12
	MAXIMUM	124.63	104.99	109.6	101.5	111.75	105.57	100.31	42.26	41.21	50.92	21.16	0	0	0	0
	MINIMUM	100.92	100.55	107.61	99.24	110.36	104.12	100.05	6.57	5.67	25.82	13.97	0	0	0	0

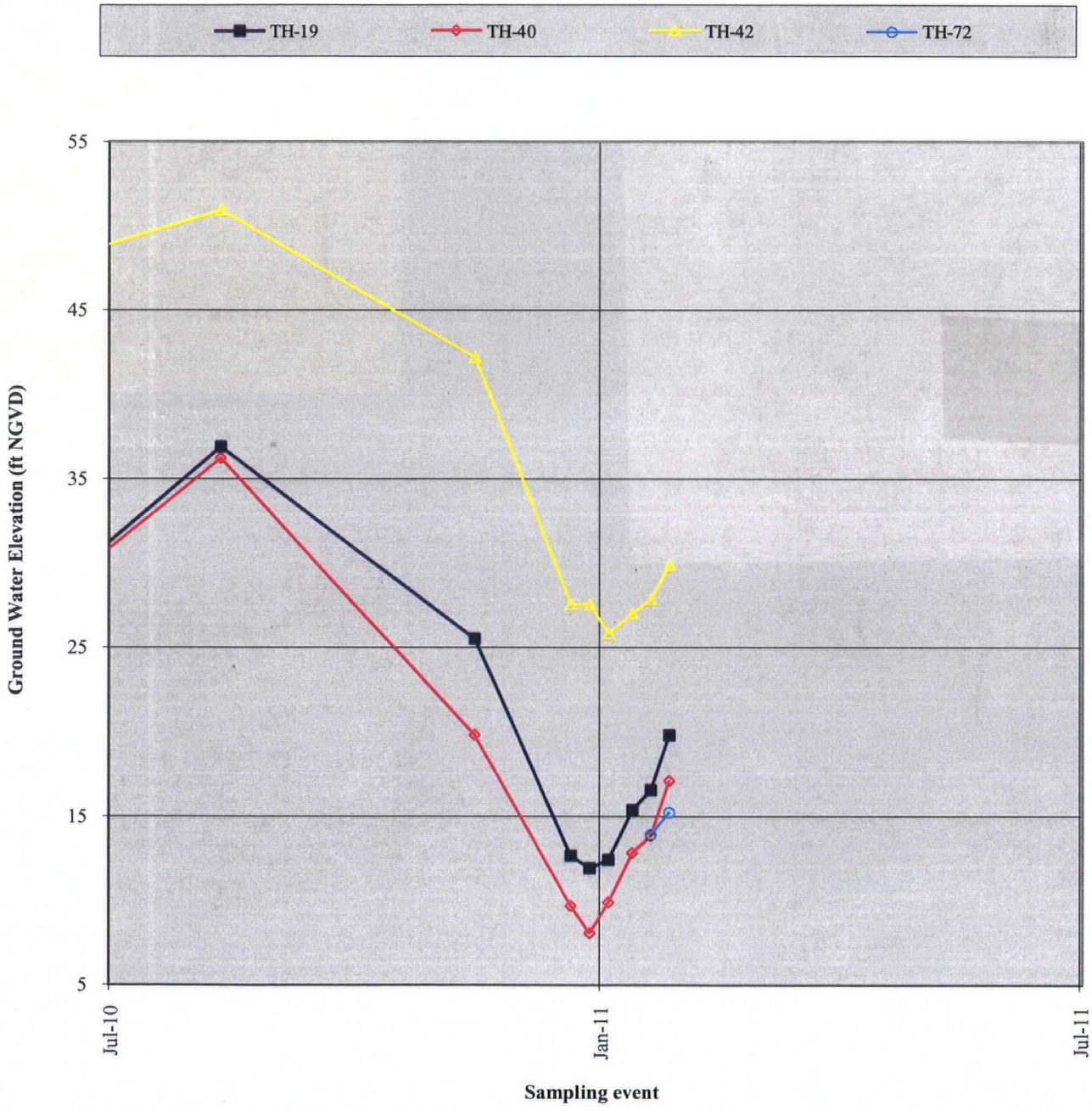
NOTES: -IAMP #5 water levels measured 1/18/11, except at new wells TH-72 and TH-73 which were measured prior to purging/sampling on 1/17/11

File name: SELF_IAMP_closeup
3C2
TH-40 - Floridan aquifer
TH-22A - Surficial aquifer background
TH-57 - Surficial aquifer detection
3C2 - Surface water sampling location
PPS-A - Leachate collection for Phases I-VI
3B2B
TH-42
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 1 / 10
Chromium -- 1 / 10
Iron -- 10 / 10
Lead -- 9 / 10
Vanadium -- 1 / 2
TH-30
pH -- 6 / 6
Arsenic -- 0 / 6
Cadmium -- 0 / 6
Chromium -- 0 / 6
Iron -- 0 / 6
Lead -- 0 / 6
Vanadium -- N/A
TH-58
pH -- 12 / 12
Arsenic -- 10 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-73
pH -- 8 / 8
Arsenic -- 0 / 8
Cadmium -- 0 / 8
Chromium -- 0 / 8
Iron -- 8 / 8
Lead -- 0 / 8
Vanadium -- 0 / 1
Ammonia -- 1 / 8
TH-72
pH -- 0 / 8
Arsenic -- 0 / 8
Cadmium -- 0 / 8
Chromium -- 0 / 8
Iron -- 8 / 8
Lead -- 0 / 8
Vanadium -- 0 / 2
PPS-A
P-18S
pH -- 7 / 7
Arsenic -- 0 / 5
Cadmium -- 1 / 5
Chromium -- 0 / 5
Iron -- 5 / 5
Lead -- 1 / 5
Vanadium -- 1 / 2
Approx. sinkhole location
@ -82.1882, 27.7764
TH-19
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 0 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-28A
pH -- 12 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-57
pH -- 12 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 10 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
TH-40
pH -- 0 / 12
Arsenic -- 0 / 10
Cadmium -- 0 / 10
Chromium -- 0 / 10
Iron -- 0 / 10
Lead -- 0 / 10
Vanadium -- 0 / 2
SUP-1
pH -- 0 / 11
Arsenic -- 0 / 9
Cadmium -- 0 / 9
Chromium -- 0 / 9
Iron -- 0 / 9
Lead -- 1 / 9
Vanadium -- N/A
SUP-2
pH -- 0 / 11
Arsenic -- 0 / 9
Cadmium -- 0 / 9
Chromium -- 0 / 9
Iron -- 0 / 9
Lead -- 0 / 9
Vanadium -- N/A
3A
TH-22A
# of exceedances of standards / # of IAMP sampling events
Updated through IAMP event #12, sampled 3/10 & 3/11/11

File name: SELF_IAMP_locations
Wendel Ave.
Harold Weeks
116 Wendel Ave.
2.7 miles NE
Sheriff's Office Training Facility North
14063 Hwy 39 S
1.6 miles NE
Surface water #3C2
Floridan aquifer
well #TH-42
Surface Water #3B2B
Sheriff's Office Pistol Range South
14063 Hwy 39 S
1.6 miles ENE
Surficial aquifer
well #TH-58
Surficial aquifer
well #P-18S
Surficial aquifer
well #TH-73
Gray Rd
Floridan aquifer
well #TH-72
Floridan aquifer
well #TH-19
Approx. sinkhole location
@ -82.1882, 27.7764
Surficial aquifer
well #TH-28A
Hal Colding Rd
Surficial aquifer
well #TH-57
Floridan aquifer
supply well #2
Wayne Holdren
415 Hal Colding Rd.
2.1 miles ESE
Carter Rd
Floridan aquifer
well #TH-40
Floridan aquifer
supply well #1
Maran
Groves #2
Surface Water #3A
Tom Holland
121 Carter Rd.
2.6 miles ESE
Lost Lake Ln
Irene Barnes
17502 C.R. 672
1.3 miles SE
Maran
Groves #6
Maran
Groves #7
Maran
Groves #12
Maran Groves
Maint Supply Well
Balm-Picnic Rd [C.R. 672]
Robert Martin
16517 C.R. 672
1 mile SSW
Rainshadow St
Bledsoe Loop
City-Picnic Rd

File name: SELF_well_inv_1mile
1-mile radius
Southeast County Landfill
Facility #41193

Hills. Southeast LF, IAMP Floridan Aquifer Wells
Ground Water Elevations



JAN 10 – JULY 11
FLORIDAN WELLS

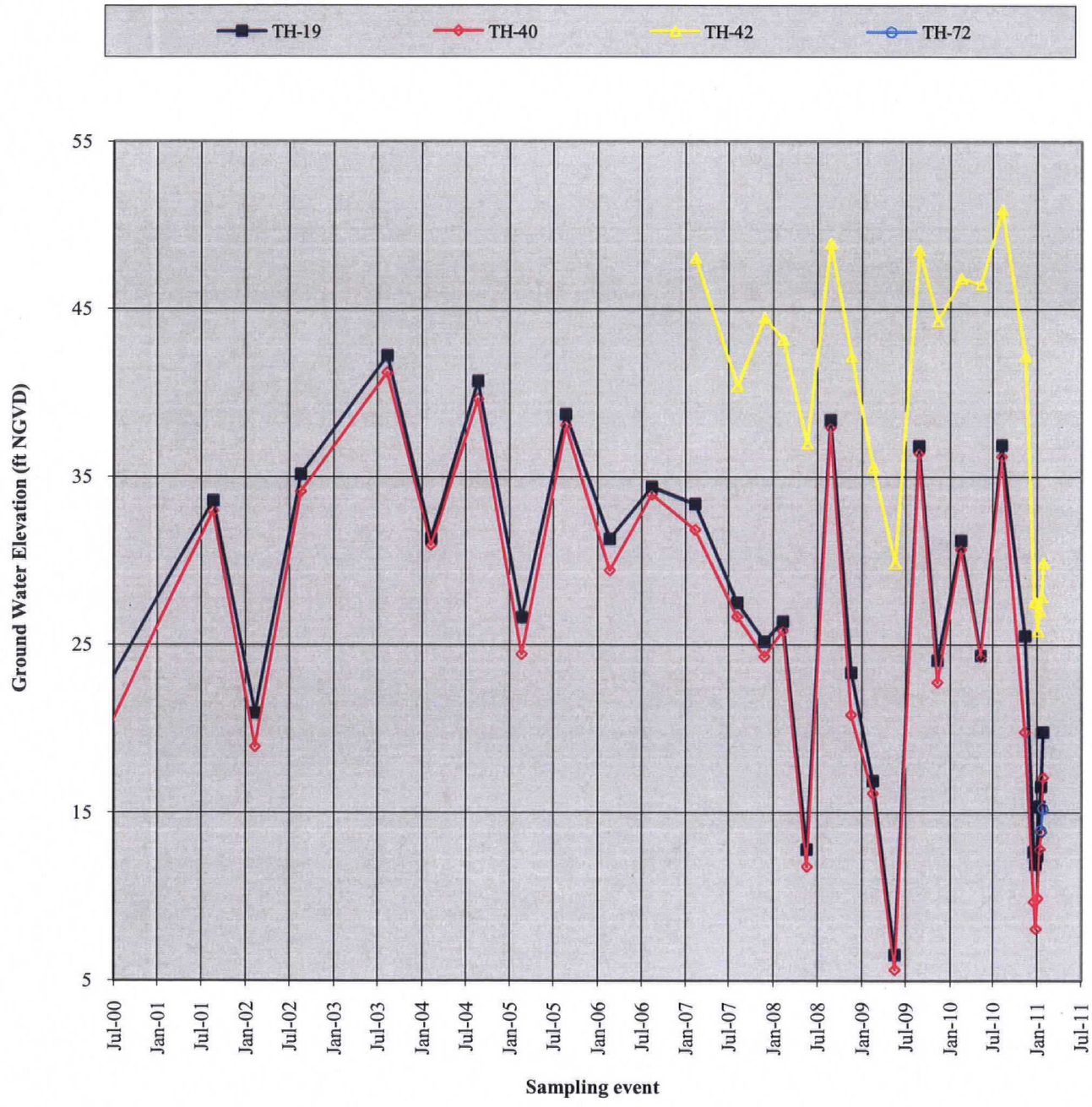
Sandra L. Payne, CPA, P.A.
813.286.8213
4217 W San Rafael St.
Tampa, FL 33629
taxpro@sandypaynecpa.com

No flurry of activity on this while you were gone — IAMP #5 came in via email 3/18/11

I LOOKED AT THE CHLORIDE & WATER LEVEL DATA A NUMBER OF WAYS WITH THE SECONDARY AXIS FEATURE

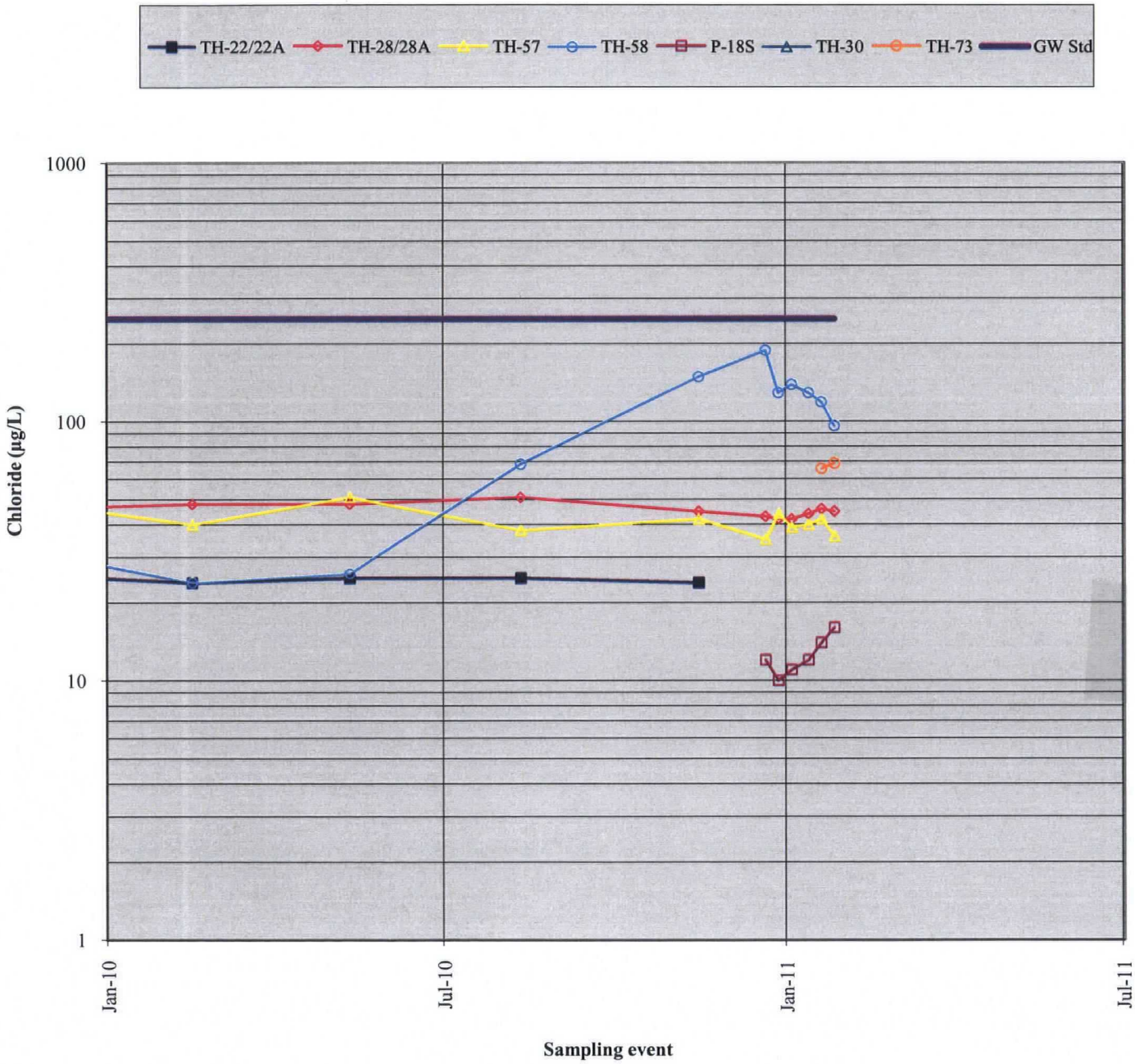
- LOOKS LIKE CHLORIDE "PULSES" AND FLUORIDE W/C FLUCTUATIONS ARE NOT STRONGLY RELATED: MORE CHLORIDE VARIATION OVER TIME THAN EXPECTED

Hills. Southeast LF, IAMP Floridan Aquifer Wells
Ground Water Elevations



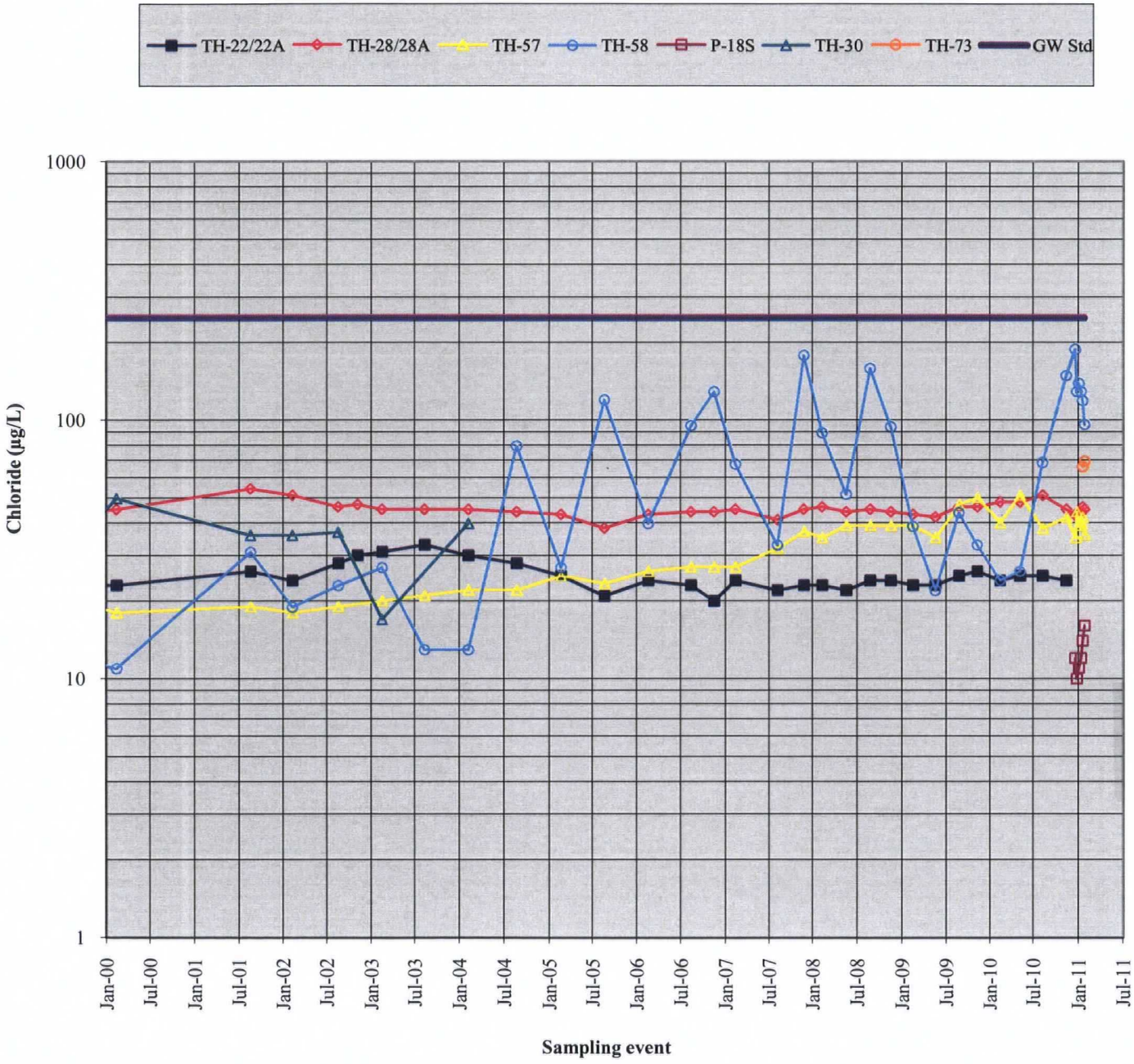
JAN 00 TO JULY 11
FLORIDAN WELLS

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride concentrations



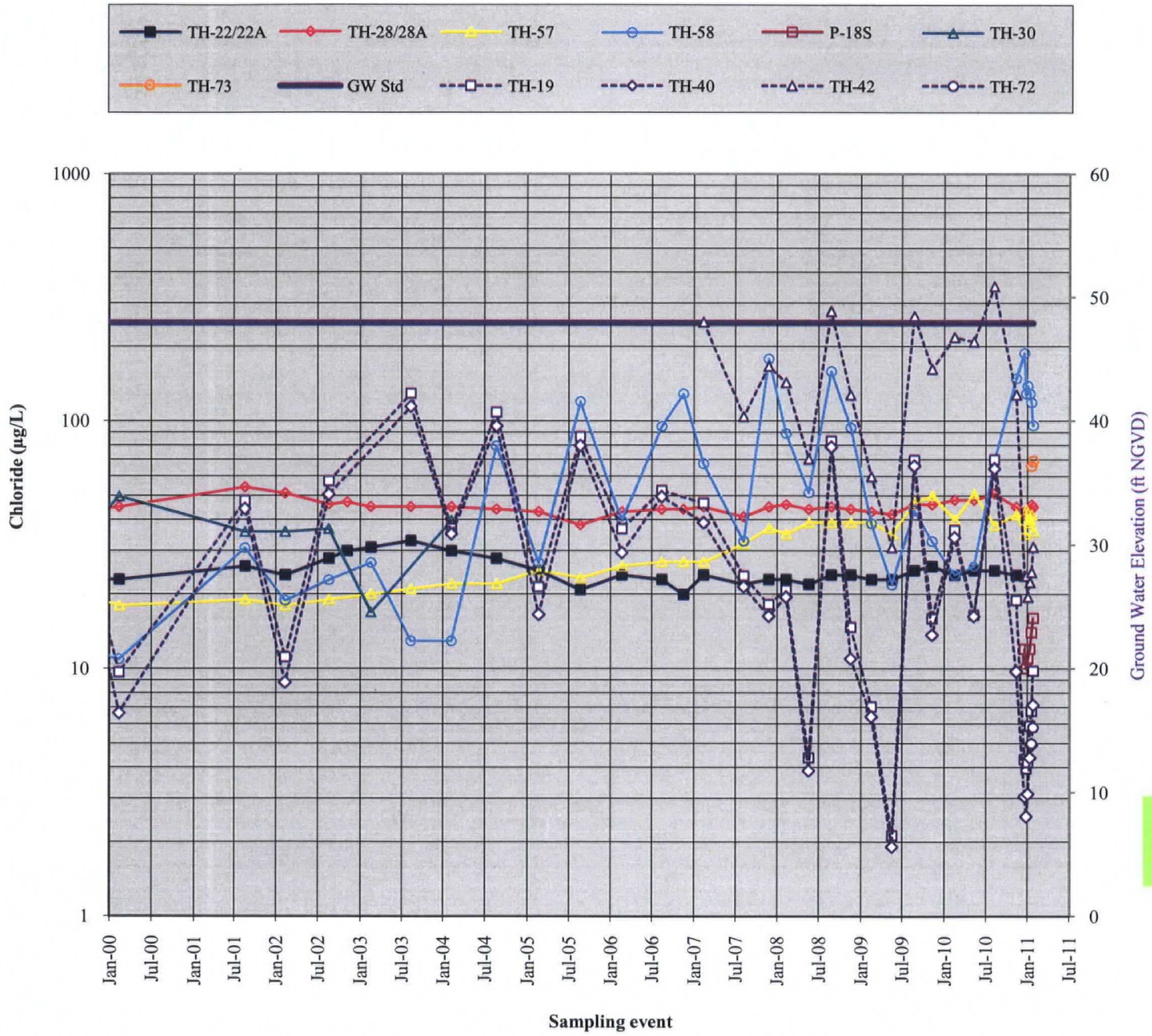
JAN 10 – JULY 11
SULFATE CHLORIDE

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride concentrations



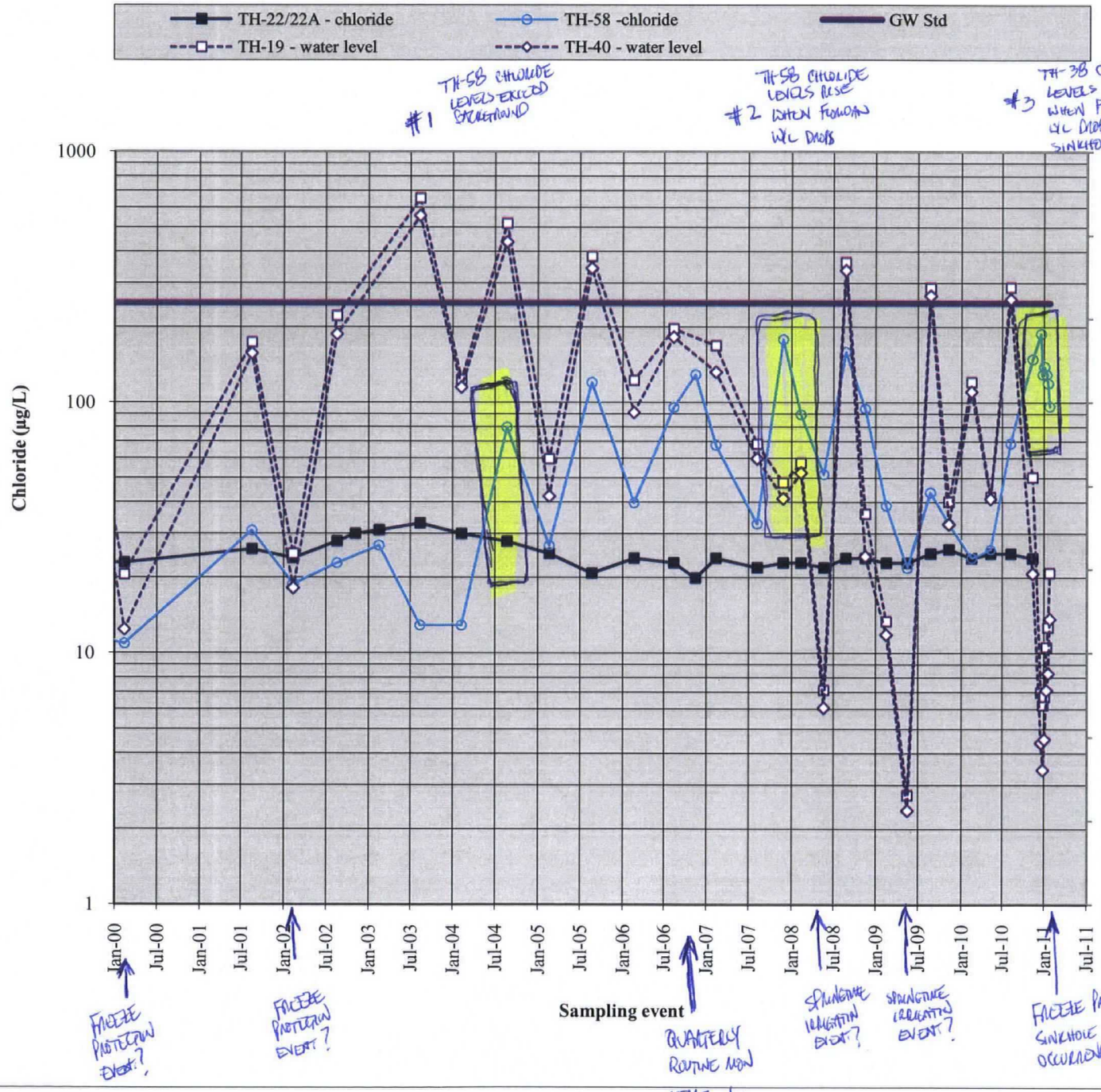
JAN 00 – JULY 11
SURFICIAL CHLORIDE

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride concentrations vs Sampling date



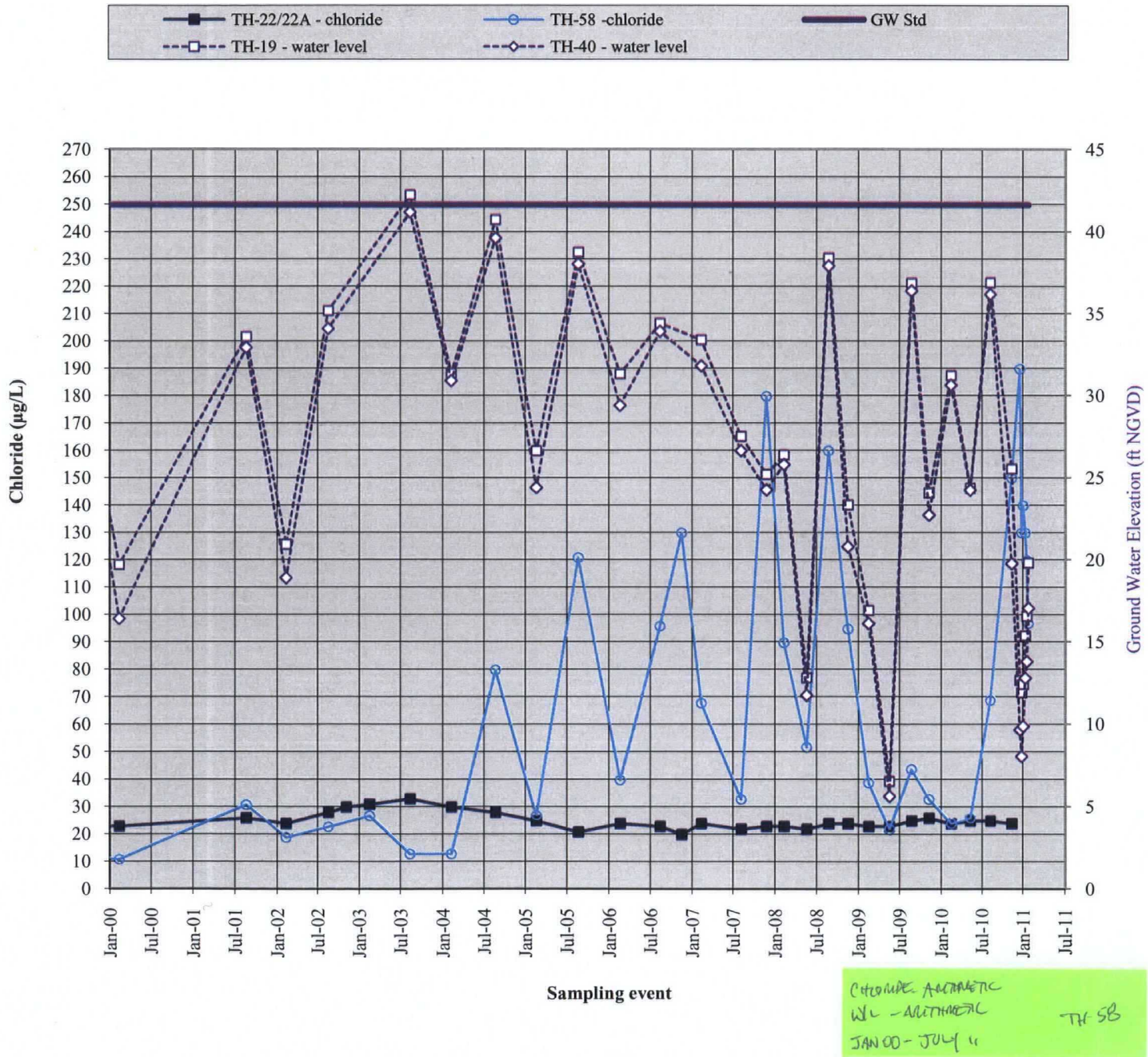
CHLORIDE - LOG
WL - ARITHMETIC for WELLS

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride concentrations vs Sampling date

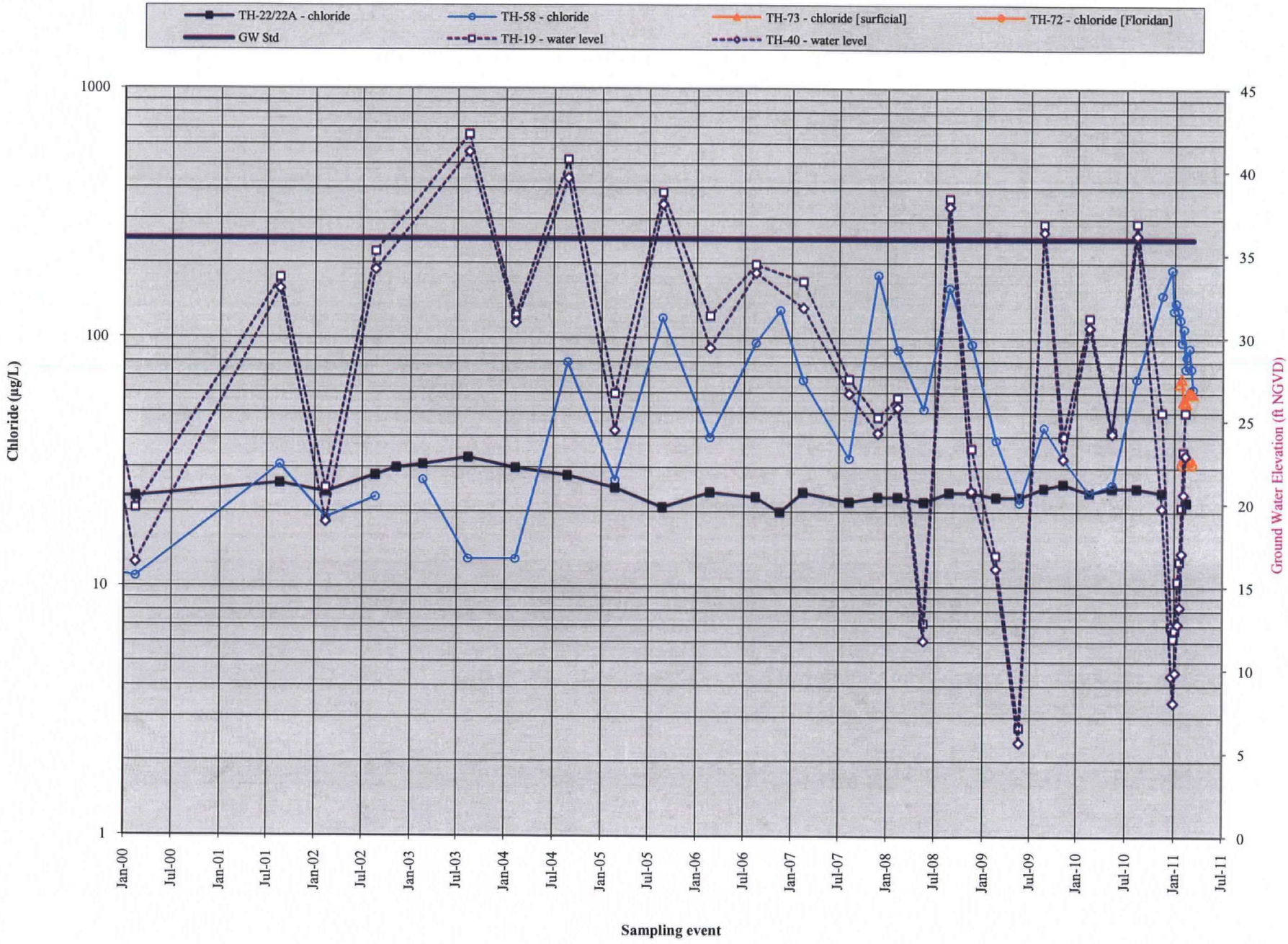


CHLORIDE W&L - ARITHMETIC JAN 00 - JUL 11 TH 58

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride concentrations vs Sampling date



CHLORIDE ARITHMETIC
WL - ARITHMETIC
JAN 00 - JULY 11

TH-58

Hills. Southeast LF, IAMP Surficial Aquifer Wells
Chloride Concentrations vs Sampling Date