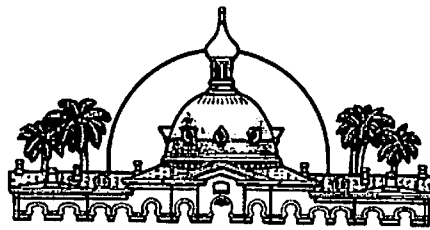


BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe



Hillsborough County
Florida

Office of the County Administrator
Michael S. Merrill

ADMINISTRATORS

Lucia E. Garsys
Eric R. Johnson
Edith M. Stewart
J. Eugene Gray, Acting
Sharon D. Subadan, Interim
Mark J. Thornton, Interim

March 3, 2011

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

**RE: Southeast County Landfill
Laboratory Analytical Results
Initial Assessment Monitoring Plan
Report No. 4**

Dear Mr. Morris:

The Hillsborough County Public Utilities Department (PUD) is pleased to provide the analytical results from the sampling events conducted as part of the continuation of the Initial Assessment Monitoring Plan (IAMP). The IAMP was developed to address any potential impacts to groundwater from the sinkhole in Phase VI of the Southeast County Landfill (SCLF), which was discovered on December 14, 2010. This report provides the analytical results from the sampling conducted at the SCLF on February 3, 2011. The samples were analyzed by our contracted laboratory, Test America, Inc.

Representative samples of groundwater were collected from seven (7) on-site groundwater monitoring wells and two on-site limited use potable supply wells. The samples were analyzed for total dissolved solids (TDS), chloride, total ammonia, arsenic, cadmium, chromium, iron, lead, sodium, and five field parameters. The results are consistent with the historical water quality at the site, and continue to support the position that no water quality impacts attributable to the sinkhole have been observed. The surficial aquifer wells exhibit low pH and high iron concentrations, and the upper Floridan wells exhibit good water quality consistent with the historical data.

The minor impacts observed in TH-73 in the initial sampling event had not been received and reviewed at the time this sampling event was conducted, so the samples collected from this well were not analyzed for volatile and semi-volatile organic compounds by EPA Methods 8260b and 8270. The following week, the samples collected from TH-73 were appropriately analyzed to address the initial detections and determine the validity of the minor detections. The preliminary results have been provided, and no detections of volatiles or semi-volatiles were observed. That data will be provided in the IAMP Report No. 5.

This IAMP was developed and continued to thoroughly assess water quality in the surficial aquifer and the upper Floridan aquifer monitoring wells on site, and the two limited use potable supply wells on site. The PUD has sampled the site weekly for the past ten weeks, and the data collected supports the position that no impacts to groundwater have been observed in any of the wells on site or in any supply wells located on and adjacent to the landfill property.

Conclusions

Based on the analytical data collected and evaluated as part of the IAMP, it is apparent that no impact to groundwater within either the surficial or upper Floridan aquifers has been observed to date.

Recommendations

Again, based on the results of the analytical data collected from the IAMP, the PUD recommends and requests that the sampling frequency be reduced from weekly to monthly as work continues on all the activities associated with assessing the impacts from and remediating the sinkhole. The known velocities of groundwater at the site within the surficial and upper Floridan aquifers support the position that there is no scientific basis for continuing with weekly sampling. The reporting schedule would remain the same, in that each report detailing the findings from an IAMP sampling event shall be submitted within seven days of our receipt of the final laboratory data report, as requested by FDEP.

Enclosed for your review please find a site location map depicting the on site wells, a supplemental site map depicting the location of the Maran Grove maintenance supply well in relation to the supply wells at the Southeast County Landfill and the sinkhole, the water quality data summary tables for each of the three sampling events, a groundwater elevation data table and the associated contour flow diagram, and the complete analytical data report from our contracted laboratory, Test America.

Mr. John Morris, P.G.
March 3, 2011
Page 3

Should you have any questions or require any additional information please feel free call me at (813) 276-2944.

Respectfully submitted,



David S. Adams, P.G
Environmental Manager
Public Utilities Department



xc: Paul Vanderploog, Director, PUD
Barry Boldissar, PUD
Patricia V. Berry, PUD
Larry Ruiz, PUD
Michelle Van Dyk, PUD
Rich Tedder, FDEP Tallahassee
Susan Pelz, FDEP Southwest District
Steve Morgan, FDEP, Southwest District
Paul Schipfer, EPC
Ernest Ely, WM
Rich Siemering, HDR
Joe O'Neill, Civil Design Services
Brian Miller, DOH



Sinkhole Location

Sup 1

Sup 2

Well No. 2

Well No. 12

Well No. 6

Well No. 7

MGMF Supply Well

Garcia Property

MARAN GROVE WELLS

Hillsborough County Southeast Landfill
Laboratory Analytical Results from Groundwater Monitoring and On-Site Supply Wells
February 3, 2011

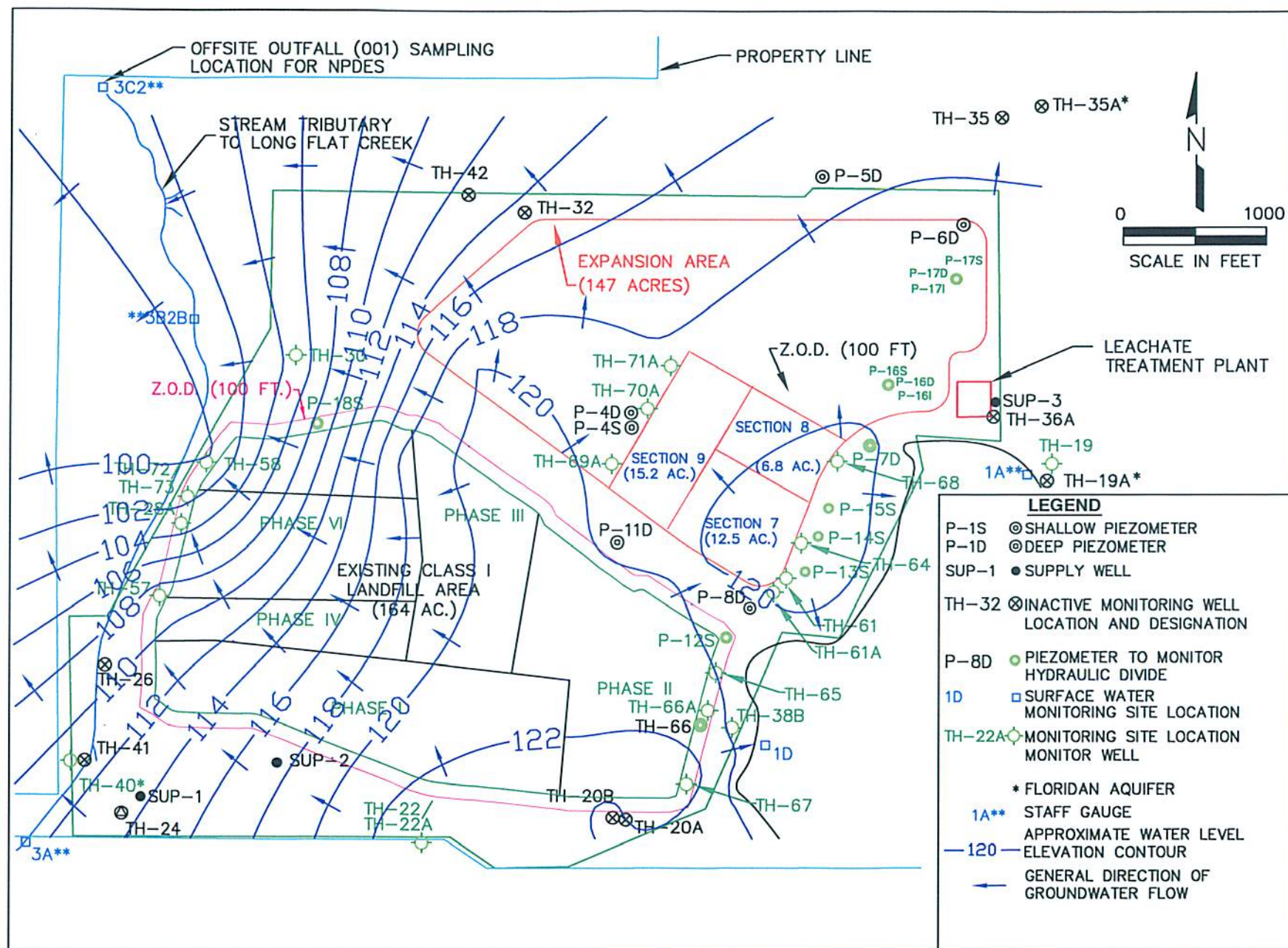
GENERAL (mg/l)	TH-19	TH-28A	TH-30	TH-40	TH-42	TH-57	TH-58	TH-72	TH-73	SUP-1	SUP-2	(MCL) STANDARD F.A.C. 62-550
PARAMETERS												
conductivity (umhos/cm) (field)	409	233	244	398	536	189	740	565	400	353	360	NS
dissolved oxygen (mg/l) (field)	0.83	0.96	0.27	0.81	0.77	0.62	0.86	1.09	1.78	0.31	1.09	NS
pH (field)	7.49	6.07	4.45	7.74	7.07	6.08	6.73	7.38	6.62	7.59	7.62	(6.5 - 8.5)**
temperature (°C) (field)	23.42	25.90	23.65	23.35	23.51	26.13	25.71	22.95	26.12	24.42	24.43	NS
turbidity (NTU) (field)	0.2	2.5	3.6	0.2	329.3	0.4	2.2	9.9	17.6	0.1	0.1	NS
total dissolved solids (mg/l)	220	110	110	210	290	88	380	300	140	190	190	500**
chloride (mg/l)	8.3	46	57	8.3	18	40	110	32	56	9.9	11	250**
ammonia nitrogen (mg/l as N)	0.22	0.91	0.94	0.32	0.24	0.87	0.61	0.21	1.9	0.14	0.18	2.8***
Metals: (mg/l)	TH-19	TH-28A	TH-30	TH-40	TH-42	TH-57	TH-58	TH-72	TH-73	SUP-1	SUP-2	(MCL) STANDARD F.A.C. 62-550
arsenic	BDL	BDL	BDL	BDL	BDL	BDL	0.027	BDL	0.0041	BDL	BDL	0.01*
cadmium	BDL	BDL	BDL	BDL	0.0026	BDL	BDL	BDL	BDL	BDL	BDL	0.005*
chromium	BDL	BDL	0.002	BDL	0.072	BDL	0.0021	0.0029	0.0039	BDL	BDL	0.1*
iron	BDL	2.2	0.2	BDL	6.6	0.48	4.4	0.62	31	BDL	BDL	0.3**
lead	BDL	BDL	BDL	BDL	0.043	BDL	BDL	BDL	BDL	BDL	BDL	0.015*
sodium	12	16	19	15	15	11	23	27	26	8.2	8.4	160*
Note: Ref. Groundwater Guidance Concentrations, FDEP 2007												
MCL=MAXIMUM CONTAMINANT LEVEL												
BDL=BELOW DETECTION LIMIT												
NTU=NEPHELOMETRIC TURBIDITY UNITS												
*=DENOTES PRIMARY DRINKING WATER STANDARD												
**=DENOTES SECONDARY DRINKING WATER STANDARD												
***=DENOTES FLORIDA GUIDANCE CONCENTRATION												
5.07												
ug/l=MICROGRAMS PER LITER												
mg/l=MILLIGRAMS PER LITER												
NS=NO STANDARD												
(-) indicates that the sample was not analyzed for this parameter												

GROUNDWATER AND SURFACE WATER ELEVATIONS FOR

SOUTHEAST LANDFILL

February 1, 2011

Measuring Point I.D.	T.O.C. Elevations (NGVD)	2/1/2011 W.L. B.T.O.C.	W.L. (NGVD)	Time
P-4D	140.78	22.63	118.15	12:21 PM
P-4S	140.95	10.02	130.93	12:20 PM
P-5D	151.94	Dry	Dry	10:40 AM
P-6D-A	148.01	28.55	119.46	10:48 AM
P-7D	138.92	18.75	120.17	11:26 AM
P-8D	138.34	18.86	119.48	11:59 AM
P-11D	138.02	18.30	119.72	12:00 PM
P-12S	134.97	14.99	119.98	11:58 AM
P-13S	140.21	19.85	120.36	11:39 AM
P-14S	138.56	18.30	120.26	11:36 AM
P-15S	139.19	19.25	119.94	11:34 AM
P-16S	143.38	16.00	127.38	10:58 AM
P-16I	144.15	24.92	119.23	10:59 AM
P-16D	143.84	24.63	119.21	11:00 AM
P-17S	137.35	17.17	120.18	10:54 AM
P-17I	137.32	17.92	119.40	10:53 AM
P-17D	137.22	17.92	119.30	10:52 AM
P-18S	129.86	18.82	111.04	10:28 AM
P-19	133.36	15.16	118.20	10:44 AM
P-20	132.38	13.72	118.66	11:08 AM
P-21	122.79	3.94	118.85	12:11 PM
P-22	128.35	9.52	118.83	12:13 PM
P-23	143.13	24.23	118.90	12:08 PM
TH-19*	130.27	107.11	23.16	11:17 AM
TH-20A	131.86	9.85	122.01	11:46 AM
TH-20B	132.57	10.82	121.75	11:45 AM
TH-22	128.82	5.15	123.67	12:33 PM
TH-22A	129.27	5.80	123.47	12:32 PM
TH-24A	128.23	5.34	122.89	12:37 PM
TH-26	125.65	Dry	Dry	9:49 AM
TH-28A	131.10	28.32	102.78	9:54 AM
TH-30	128.88	24.05	104.83	10:03 AM
TH-32	129.90	15.45	114.45	10:06 AM
TH-35	145.98	29.16	116.82	10:36 AM
TH-36A	152.70	33.62	119.08	11:20 AM
TH-38A	130.68	10.99	119.69	11:52 AM
TH-38B	131.81	12.08	119.73	11:53 AM
TH-40*	124.99	104.37	20.62	9:40 AM
TH-41*	125.00	105.98	19.02	9:42 AM
TH-42*	116.74	84.45	32.29	10:09 AM
TH-57	128.36	19.99	108.37	9:52 AM
TH-58	127.88	28.05	99.83	10:01 AM
TH-61	138.73	18.19	120.54	11:42 AM
TH-61A	139.45	18.86	120.59	11:41 AM
TH-64	139.64	18.49	121.15	11:38 AM
TH-65	135.40	15.40	120.00	11:56 AM
TH-66	130.58	10.05	120.53	11:50 AM
TH-66A	130.66	10.56	120.10	11:51 AM
TH-67	129.51	6.36	123.15	11:48 AM
TH-68	140.01	18.30	121.71	11:28 AM
TH-69A	144.97	26.13	118.84	12:04 PM
TH-70A	146.63	27.65	118.98	12:23 PM
TH-71A	146.95	26.90	120.05	12:17 PM
TH-72	130.96	112.18	18.78	9:58 AM
TH-73	131.07	30.85	100.22	9:57 AM
SW-3A	3.0'=125.53'	0.50	123.03	9:37 AM
SW-3B2B	3.0'=97.97'	1.52	96.49	10:23 AM
SW-3C2	6.0'=92.33'	1.42	87.75	10:19 AM
Mine Cut #1	4.0'=122.14'	1.48	119.62	11:31 AM
Mine Cut #2	6.0'=123.47'	1.74	119.21	11:15 AM
Mine Cut #3	4.0'=112.27'	1.90	110.17	10:14 AM
Mine Cut #4	5.0'=97.54'	1.60	94.14	10:16 AM
NGVD = National Geodetic Vertical Datum				
T.O.C. = Top of Casing				
B.T.O.C. = Below Top of Casing				
* = Floridan Well				
ND = No Data				
W.L. = Water Level				



Southeast County Landfill
Groundwater Elevation Contour Diagram – February 1, 2011

ANALYTICAL REPORT

Job Number: 660-39582-1

Job Description: Southeast Landfill

For:
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601
Attention: Mr. David S Adams



Approved for release
Nancy Robertson
Project Manager II
2/15/2011 4:36 PM

Nancy Robertson
Project Manager II
nancy.robertson@testamericainc.com
02/15/2011

cc: Mr. Jim Clayton
Mr. Michael Townsel

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282

These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-39582-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method 6010B: Sample TH-42 had a positive result for lead. The sample had high field turbidity and sediment at the bottom of the metals bottles received in the laboratory. The sample results were the same as the results sampled on 1.20.2011. Due to this fact, re analysis was not performed. We can conclude that the sediment attributed to the sample result.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for iron in batch 106192 were outside control limits with the parent sample greater than 4x the spike level. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

Method 300.0: The matrix spike duplicate (MSD) recovery for batch 106214 was outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 300.0: The matrix spike (MS) recovery for batch 106113 was outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 106359 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Hillsborough County

Job Number: 660-39582-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-39582-1	TH-28A WACS# 19862				
Field pH		5.07		SU	Field Sampling
Field Temperature		25.90		Degrees C	Field Sampling
Oxygen, Dissolved		0.96		mg/L	Field Sampling
Specific Conductance		233		umhos/cm	Field Sampling
Turbidity		2.5		NTU	Field Sampling
Chloride		46	0.50	mg/L	300.0
Ammonia as N		0.91	0.020	mg/L	350.1
Total Dissolved Solids		110	5.0	mg/L	SM 2540C
Total Recoverable					
Iron		2200	200	ug/L	6010B
Sodium		16	0.50	mg/L	6010B
660-39582-2	TH-40 WACS# 822				
Field pH		7.74		SU	Field Sampling
Field Temperature		23.35		Degrees C	Field Sampling
Oxygen, Dissolved		0.81		mg/L	Field Sampling
Specific Conductance		398		umhos/cm	Field Sampling
Turbidity		0.2		NTU	Field Sampling
Chloride		8.3	0.50	mg/L	300.0
Ammonia as N		0.32	0.020	mg/L	350.1
Total Dissolved Solids		210	5.0	mg/L	SM 2540C
Total Recoverable					
Sodium		15	0.50	mg/L	6010B
660-39582-3	TH-58 WACS# 1571				
Field pH		5.73		SU	Field Sampling
Field Temperature		25.71		Degrees C	Field Sampling
Oxygen, Dissolved		0.86		mg/L	Field Sampling
Specific Conductance		740		umhos/cm	Field Sampling
Turbidity		2.2		NTU	Field Sampling
Chloride		110	5.0	mg/L	300.0
Ammonia as N		0.61	0.020	mg/L	350.1
Total Dissolved Solids		380	5.0	mg/L	SM 2540C
Total Recoverable					
Arsenic		27	10	ug/L	6010B
Chromium		2.1	10	ug/L	6010B
Iron		4400	200	ug/L	6010B
Sodium		23	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Hillsborough County

Job Number: 660-39582-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-39582-4	TH-30				
Field pH		4.45		SU	Field Sampling
Field Temperature		23.65		Degrees C	Field Sampling
Oxygen, Dissolved		0.27		mg/L	Field Sampling
Specific Conductance		244		umhos/cm	Field Sampling
Turbidity		3.6		NTU	Field Sampling
Chloride		57	1.0	mg/L	300.0
Ammonia as N		0.94	0.020	mg/L	350.1
Total Dissolved Solids		110	5.0	mg/L	SM 2540C
Total Recoverable					
Chromium		2.0 I	10	ug/L	6010B
Iron		200	200	ug/L	6010B
Sodium		19	0.50	mg/L	6010B
660-39582-5	TH-57 WACS# 1570				
Field pH		5.08		SU	Field Sampling
Field Temperature		26.13		Degrees C	Field Sampling
Oxygen, Dissolved		0.62		mg/L	Field Sampling
Specific Conductance		189		umhos/cm	Field Sampling
Turbidity		0.4		NTU	Field Sampling
Chloride		40 J3	0.50	mg/L	300.0
Ammonia as N		0.87	0.020	mg/L	350.1
Total Dissolved Solids		88	5.0	mg/L	SM 2540C
Total Recoverable					
Iron		480	200	ug/L	6010B
Sodium		11	0.50	mg/L	6010B
660-39582-6	TH-73 WACS#27754				
Field pH		5.62		SU	Field Sampling
Field Temperature		26.12		Degrees C	Field Sampling
Oxygen, Dissolved		1.78		mg/L	Field Sampling
Specific Conductance		400		umhos/cm	Field Sampling
Turbidity		17.6		NTU	Field Sampling
Chloride		56	1.0	mg/L	300.0
Ammonia as N		1.9	0.020	mg/L	350.1
Total Dissolved Solids		140	5.0	mg/L	SM 2540C
Total Recoverable					
Arsenic		4.1 I	10	ug/L	6010B
Chromium		3.9 I	10	ug/L	6010B
Iron		31000	200	ug/L	6010B
Sodium		26	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Hillsborough County

Job Number: 660-39582-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-39582-7	TH-42 WACS# 823				
Field pH		7.07		SU	Field Sampling
Field Temperature		23.51		Degrees C	Field Sampling
Oxygen, Dissolved		0.77		mg/L	Field Sampling
Specific Conductance		536		umhos/cm	Field Sampling
Turbidity		329.3		NTU	Field Sampling
Chloride		18	0.50	mg/L	300.0
Ammonia as N		0.24	0.020	mg/L	350.1
Total Dissolved Solids		290	5.0	mg/L	SM 2540C
Total Recoverable					
Cadmium		2.6 I	4.0	ug/L	6010B
Chromium		72	10	ug/L	6010B
Iron		6600	200	ug/L	6010B
Lead		43	10	ug/L	6010B
Sodium		15	0.50	mg/L	6010B
660-39582-8	BLANK, EQUIPMENT				
Ammonia as N		0.022	0.020	mg/L	350.1
660-39582-9	DUPLICATE				
Chloride		46	0.50	mg/L	300.0
Ammonia as N		0.98	0.020	mg/L	350.1
Total Dissolved Solids		92	5.0	mg/L	SM 2540C
Total Recoverable					
Iron		2000	200	ug/L	6010B
Sodium		15	0.50	mg/L	6010B
660-39596-1	TH-72 WACS#27753				
Field pH		7.38		SU	Field Sampling
Field Temperature		22.95		Degrees C	Field Sampling
Oxygen, Dissolved		1.09		mg/L	Field Sampling
Specific Conductance		565		umhos/cm	Field Sampling
Turbidity		9.9		NTU	Field Sampling
Chloride		32	0.50	mg/L	300.0
Ammonia as N		0.21 J3	0.020	mg/L	350.1
Total Dissolved Solids		300	5.0	mg/L	SM 2540C
Total Recoverable					
Chromium		2.9 I	10	ug/L	6010B
Iron		620	200	ug/L	6010B
Sodium		27	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Hillsborough County

Job Number: 660-39582-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-39596-2	TH-19 WACS#821				
Field pH		7.49		SU	Field Sampling
Field Temperature		23.42		Degrees C	Field Sampling
Oxygen, Dissolved		0.83		mg/L	Field Sampling
Specific Conductance		409		umhos/cm	Field Sampling
Turbidity		0.2		NTU	Field Sampling
Chloride		8.3	J3 0.50	mg/L	300.0
Ammonia as N		0.22	0.020	mg/L	350.1
Total Dissolved Solids		220	5.0	mg/L	SM 2540C
Total Recoverable					
Sodium		12	0.50	mg/L	6010B
660-39596-3	SUP 1 WACS#27755				
Field pH		7.59		SU	Field Sampling
Field Temperature		24.42		Degrees C	Field Sampling
Oxygen, Dissolved		0.31		mg/L	Field Sampling
Specific Conductance		353		umhos/cm	Field Sampling
Turbidity		0.1		NTU	Field Sampling
Chloride		9.9	0.50	mg/L	300.0
Ammonia as N		0.14	0.020	mg/L	350.1
Total Dissolved Solids		190	5.0	mg/L	SM 2540C
Total Recoverable					
Sodium		8.2	0.50	mg/L	6010B
660-39596-4	SUP 2 WACS#27756				
Field pH		7.62		SU	Field Sampling
Field Temperature		24.43		Degrees C	Field Sampling
Oxygen, Dissolved		1.09		mg/L	Field Sampling
Specific Conductance		360		umhos/cm	Field Sampling
Turbidity		0.1		NTU	Field Sampling
Chloride		11	0.50	mg/L	300.0
Ammonia as N		0.18	0.020	mg/L	350.1
Total Dissolved Solids		190	5.0	mg/L	SM 2540C
Total Recoverable					
Sodium		8.4	0.50	mg/L	6010B

METHOD SUMMARY

Client: Hillsborough County

Job Number: 660-39582-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL TAM = TestAmerica Tampa

Method 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.

METHOD / ANALYST SUMMARY

Client: Hillsborough County

Job Number: 660-39582-1

Method	Analyst	Analyst ID
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Steward, Tiffany	TS
MCAWW 350.1	Office, Trey	TO
SM SM 2540C	Oonnoony, Thomas	TO

SAMPLE SUMMARY

Client: Hillsborough County

Job Number: 660-39582-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-39582-1	TH-28A WACS# 19862	Water	02/03/2011 1125	02/03/2011 1535
660-39582-2	TH-40 WACS# 822	Water	02/03/2011 1044	02/03/2011 1535
660-39582-3	TH-58 WACS# 1571	Water	02/03/2011 1311	02/03/2011 1535
660-39582-4	TH-30	Water	02/03/2011 1343	02/03/2011 1535
660-39582-5	TH-57 WACS# 1570	Water	02/03/2011 1106	02/03/2011 1535
660-39582-6	TH-73 WACS#27754	Water	02/03/2011 0000	02/03/2011 1535
660-39582-7	TH-42 WACS# 823	Water	02/03/2011 1359	02/03/2011 1535
660-39582-8	Blank, Equipment	Water	02/03/2011 1030	02/03/2011 1535
660-39582-9	Duplicate	Water	02/03/2011 0000	02/03/2011 1535
660-39596-1	TH-72 WACS#27753	Water	02/04/2011 1034	02/04/2011 1410
660-39596-2	TH-19 WACS#821	Water	02/04/2011 1012	02/04/2011 1410
660-39596-3	SUP 1 WACS#27755	Water	02/04/2011 1133	02/04/2011 1410
660-39596-4	SUP 2 WACS#27756	Water	02/04/2011 1106	02/04/2011 1410

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-28A WACS# 19862
Lab Sample ID: 660-39582-1

Date Sampled: 02/03/2011 1125
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 0956		
Prep Method: 3005A			Date Prepared:	02/07/2011 1035		
Arsenic	4.0	U	ug/L	4.0	10	1.0
Cadmium	1.0	U	ug/L	1.0	4.0	1.0
Chromium	2.0	U	ug/L	2.0	10	1.0
Iron	2200		ug/L	50	200	1.0
Lead	2.0	U	ug/L	2.0	10	1.0
Sodium	16		mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/04/2011 1241		
Chloride	46		mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/04/2011 1448		
Ammonia as N	0.91		mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-28A WACS# 19862
Lab Sample ID: 660-39582-1

Date Sampled: 02/03/2011 1125
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed: 02/03/2011 1125			
Field pH	5.07	SU			1.0
Field Temperature	25.90	Degrees C			1.0
Oxygen, Dissolved	0.96	mg/L			1.0
Specific Conductance	233	umhos/cm			1.0
Turbidity	2.5	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-28A WACS# 19862
Lab Sample ID: 660-39582-1

Date Sampled: 02/03/2011 1125
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1522	
Total Dissolved Solids	110	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-40 WACS# 822
Lab Sample ID: 660-39582-2

Date Sampled: 02/03/2011 1044
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B		Date Analyzed: 02/08/2011 1014			
Prep Method: 3005A		Date Prepared: 02/07/2011 1035			
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	50 U	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	15	mg/L	0.31	0.50	1.0
Method: 300.0		Date Analyzed: 02/04/2011 1252			
Chloride	8.3	mg/L	0.20	0.50	1.0
Method: 350.1		Date Analyzed: 02/04/2011 1451			
Ammonia as N	0.32	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-40 WACS# 822
Lab Sample ID: 660-39582-2

Date Sampled: 02/03/2011 1044
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	02/03/2011	1044	
Field pH	7.74	SU			1.0
Field Temperature	23.35	Degrees C			1.0
Oxygen, Dissolved	0.81	mg/L			1.0
Specific Conductance	398	umhos/cm			1.0
Turbidity	0.2	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-40 WACS# 822
Lab Sample ID: 660-39582-2

Date Sampled: 02/03/2011 1044
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1523	
Total Dissolved Solids	210	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-58 WACS# 1571
Lab Sample ID: 660-39582-3

Date Sampled: 02/03/2011 1311
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B		Date Analyzed: 02/08/2011 1020			
Prep Method: 3005A		Date Prepared: 02/07/2011 1035			
Arsenic	27	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.1 I	ug/L	2.0	10	1.0
Iron	4400	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	23	mg/L	0.31	0.50	1.0
Method: 300.0		Date Analyzed: 02/04/2011 1533			
Chloride	110	mg/L	2.0	5.0	10
Method: 350.1		Date Analyzed: 02/04/2011 1453			
Ammonia as N	0.61	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-58 WACS# 1571
Lab Sample ID: 660-39582-3

Date Sampled: 02/03/2011 1311
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling			Date Analyzed:	02/03/2011 1311	
Field pH	5.73	SU			1.0
Field Temperature	25.71	Degrees C			1.0
Oxygen, Dissolved	0.86	mg/L			1.0
Specific Conductance	740	umhos/cm			1.0
Turbidity	2.2	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-58 WACS# 1571
Lab Sample ID: 660-39582-3

Date Sampled: 02/03/2011 1311
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1524	
Total Dissolved Solids	380	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-30
Lab Sample ID: 660-39582-4

Date Sampled: 02/03/2011 1343
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed: 02/08/2011 1027		
Prep Method: 3005A			Date Prepared: 02/07/2011 1035		
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 I	ug/L	2.0	10	1.0
Iron	200	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	19	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed: 02/04/2011 1631		
Chloride	57	mg/L	0.40	1.0	2.0
Method: 350.1			Date Analyzed: 02/04/2011 1454		
Ammonia as N	0.94	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-30
Lab Sample ID: 660-39582-4

Date Sampled: 02/03/2011 1343
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling			Date Analyzed:	02/03/2011 1343	
Field pH	4.45	SU			1.0
Field Temperature	23.65	Degrees C			1.0
Oxygen, Dissolved	0.27	mg/L			1.0
Specific Conductance	244	umhos/cm			1.0
Turbidity	3.6	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-30
Lab Sample ID: 660-39582-4

Date Sampled: 02/03/2011 1343
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C					
Total Dissolved Solids	110	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-57 WACS# 1570
Lab Sample ID: 660-39582-5

Date Sampled: 02/03/2011 1106
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed: 02/08/2011 1033		
Prep Method: 3005A			Date Prepared: 02/07/2011 1035		
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	480	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	11	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed: 02/04/2011 1413		
Chloride	40 J3	mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed: 02/04/2011 1455		
Ammonia as N	0.87	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-57 WACS# 1570
Lab Sample ID: 660-39582-5

Date Sampled: 02/03/2011 1106
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling			Date Analyzed:	02/03/2011 1106	
Field pH	5.08	SU			1.0
Field Temperature	26.13	Degrees C			1.0
Oxygen, Dissolved	0.62	mg/L			1.0
Specific Conductance	189	umhos/cm			1.0
Turbidity	0.4	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-57 WACS# 1570
Lab Sample ID: 660-39582-5

Date Sampled: 02/03/2011 1106
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C		Date Analyzed:	02/07/2011	1527	
Total Dissolved Solids	88	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-73 WACS#27754
Lab Sample ID: 660-39582-6

Date Sampled: 02/03/2011 0000
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed: 02/08/2011 1039		
Prep Method: 3005A			Date Prepared: 02/07/2011 1035		
Arsenic	4.1 I	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	3.9 I	ug/L	2.0	10	1.0
Iron	31000	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	26	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed: 02/04/2011 1654		
Chloride	56	mg/L	0.40	1.0	2.0
Method: 350.1			Date Analyzed: 02/04/2011 1456		
Ammonia as N	1.9	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-73 WACS#27754
Lab Sample ID: 660-39582-6

Date Sampled: 02/03/2011 0000
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	02/03/2011 0000		
Field pH	5.62	SU			1.0
Field Temperature	26.12	Degrees C			1.0
Oxygen, Dissolved	1.78	mg/L			1.0
Specific Conductance	400	umhos/cm			1.0
Turbidity	17.6	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-73 WACS#27754
Lab Sample ID: 660-39582-6

Date Sampled: 02/03/2011 0000
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1527	
Total Dissolved Solids	140	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-42 WACS# 823
Lab Sample ID: 660-39582-7

Date Sampled: 02/03/2011 1359
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B		Date Analyzed: 02/08/2011 1045			
Prep Method: 3005A		Date Prepared: 02/07/2011 1035			
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	2.6 I	ug/L	1.0	4.0	1.0
Chromium	72	ug/L	2.0	10	1.0
Iron	6600	ug/L	50	200	1.0
Lead	43	ug/L	2.0	10	1.0
Sodium	15	mg/L	0.31	0.50	1.0
Method: 300.0		Date Analyzed: 02/04/2011 1436			
Chloride	18	mg/L	0.20	0.50	1.0
Method: 350.1		Date Analyzed: 02/04/2011 1458			
Ammonia as N	0.24	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-42 WACS# 823
Lab Sample ID: 660-39582-7

Date Sampled: 02/03/2011 1359
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	02/03/2011 1359		
Field pH	7.07	SU			1.0
Field Temperature	23.51	Degrees C			1.0
Oxygen, Dissolved	0.77	mg/L			1.0
Specific Conductance	536	umhos/cm			1.0
Turbidity	329.3	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-42 WACS# 823
Lab Sample ID: 660-39582-7

Date Sampled: 02/03/2011 1359
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1527	
Total Dissolved Solids	290	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: Blank, Equipment
Lab Sample ID: 660-39582-8

Date Sampled: 02/03/2011 1030
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 1051	
Prep Method: 3005A			Date Prepared:	02/07/2011 1035	
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	50 U	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	0.31 U	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/04/2011 1447	
Chloride	0.20 U	mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/04/2011 1500	
Ammonia as N	0.022	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: Blank, Equipment
Lab Sample ID: 660-39582-8

Date Sampled: 02/03/2011 1030
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed: 02/07/2011 1529		
Total Dissolved Solids	5.0 U	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: Duplicate
Lab Sample ID: 660-39582-9

Date Sampled: 02/03/2011 0000
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 1103	
Prep Method: 3005A			Date Prepared:	02/07/2011 1035	
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	2000	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	15	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/04/2011 1459	
Chloride	46	mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/04/2011 1501	
Ammonia as N	0.98	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: Duplicate
Lab Sample ID: 660-39582-9

Date Sampled: 02/03/2011 0000
Date Received: 02/03/2011 1535
Client Matrix: Water

Analyte	Result/Qualfier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed: 02/07/2011 1530		
Total Dissolved Solids	92	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-72 WACS#27753
Lab Sample ID: 660-39596-1

Date Sampled: 02/04/2011 1034
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B		Date Analyzed: 02/08/2011 1109			
Prep Method: 3005A		Date Prepared: 02/07/2011 1035			
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.9 I	ug/L	2.0	10	1.0
Iron	620	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	27	mg/L	0.31	0.50	1.0
Method: 300.0		Date Analyzed: 02/07/2011 1352			
Chloride	32	mg/L	0.20	0.50	1.0
Method: 350.1		Date Analyzed: 02/10/2011 1522			
Ammonia as N	0.21 J3	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-72 WACS#27753
Lab Sample ID: 660-39596-1

Date Sampled: 02/04/2011 1034
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling					
Field pH	7.38	SU			1.0
Field Temperature	22.95	Degrees C			1.0
Oxygen, Dissolved	1.09	mg/L			1.0
Specific Conductance	565	umhos/cm			1.0
Turbidity	9.9	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-72 WACS#27753
Lab Sample ID: 660-39596-1

Date Sampled: 02/04/2011 1034
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed:	02/07/2011 1530	
Total Dissolved Solids	300	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-19 WACS#821
Lab Sample ID: 660-39596-2

Date Sampled: 02/04/2011 1012
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 1115	
Prep Method: 3005A			Date Prepared:	02/07/2011 1035	
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	50 U	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	12	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/07/2011 1403	
Chloride	8.3 J3	mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/10/2011 1526	
Ammonia as N	0.22	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-19 WACS#821
Lab Sample ID: 660-39596-2

Date Sampled: 02/04/2011 1012
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling					
Field pH	7.49	SU			1.0
Field Temperature	23.42	Degrees C			1.0
Oxygen, Dissolved	0.83	mg/L			1.0
Specific Conductance	409	umhos/cm			1.0
Turbidity	0.2	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: TH-19 WACS#821
Lab Sample ID: 660-39596-2

Date Sampled: 02/04/2011 1012
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed: 02/07/2011 1531		
Total Dissolved Solids	220	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 1 WACS#27755
Lab Sample ID: 660-39596-3

Date Sampled: 02/04/2011 1133
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 1139	
Prep Method: 3005A			Date Prepared:	02/07/2011 1035	
Arsenic	4.0 U	ug/L	4.0	10	1.0
Cadmium	1.0 U	ug/L	1.0	4.0	1.0
Chromium	2.0 U	ug/L	2.0	10	1.0
Iron	50 U	ug/L	50	200	1.0
Lead	2.0 U	ug/L	2.0	10	1.0
Sodium	8.2	mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/07/2011 1415	
Chloride	9.9	mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/10/2011 1527	
Ammonia as N	0.14	mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 1 WACS#27755
Lab Sample ID: 660-39596-3

Date Sampled: 02/04/2011 1133
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling		Date Analyzed:	02/04/2011	1133	
Field pH	7.59	SU			1.0
Field Temperature	24.42	Degrees C			1.0
Oxygen, Dissolved	0.31	mg/L			1.0
Specific Conductance	353	umhos/cm			1.0
Turbidity	0.1	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 1 WACS#27755
Lab Sample ID: 660-39596-3

Date Sampled: 02/04/2011 1133
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C		Date Analyzed:	02/07/2011	1531	
Total Dissolved Solids	190	mg/L	5.0	5.0	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 2 WACS#27756
Lab Sample ID: 660-39596-4

Date Sampled: 02/04/2011 1106
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	PQL	Dilution
Method: Total Recoverable-6010B			Date Analyzed:	02/08/2011 1145		
Prep Method: 3005A			Date Prepared:	02/07/2011 1035		
Arsenic	4.0	U	ug/L	4.0	10	1.0
Cadmium	1.0	U	ug/L	1.0	4.0	1.0
Chromium	2.0	U	ug/L	2.0	10	1.0
Iron	50	U	ug/L	50	200	1.0
Lead	2.0	U	ug/L	2.0	10	1.0
Sodium	8.4		mg/L	0.31	0.50	1.0
Method: 300.0			Date Analyzed:	02/07/2011 1426		
Chloride	11		mg/L	0.20	0.50	1.0
Method: 350.1			Date Analyzed:	02/10/2011 1528		
Ammonia as N	0.18		mg/L	0.010	0.020	1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 2 WACS#27756
Lab Sample ID: 660-39596-4

Date Sampled: 02/04/2011 1106
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: Field Sampling			Date Analyzed:	02/04/2011 1106	
Field pH	7.62	SU			1.0
Field Temperature	24.43	Degrees C			1.0
Oxygen, Dissolved	1.09	mg/L			1.0
Specific Conductance	360	umhos/cm			1.0
Turbidity	0.1	NTU			1.0

Mr. David S Adams
Hillsborough County
Solid Waste Management Department
601 East Kennedy Blvd
24th Floor County Center
Tampa, FL 33601

Job Number: 660-39582-1

Client Sample ID: SUP 2 WACS#27756
Lab Sample ID: 660-39596-4

Date Sampled: 02/04/2011 1106
Date Received: 02/04/2011 1410
Client Matrix: Water

Analyte	Result/Qualifier	Unit	PQL	PQL	Dilution
Method: SM 2540C			Date Analyzed: 02/07/2011 1532		
Total Dissolved Solids	190	mg/L	5.0	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Hillsborough County

Job Number: 660-39582-1

Lab Section	Qualifier	Description
Metals		
	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.
General Chemistry		
	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.

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106128

Lab Sample ID: MB 660-106128/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2011 0900
Date Prepared: 02/07/2011 1035

Analysis Batch: 660-106192
Prep Batch: 660-106128
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-106128

Lab Sample ID: MB 660-106128/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2011 0900
Date Prepared: 02/07/2011 1035

Analysis Batch: 660-106192
Prep Batch: 660-106128
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	4.0	U	4.0	10
Cadmium	1.0	U	1.0	4.0
Chromium	2.0	U	2.0	10
Iron	50	U	50	200
Lead	2.0	U	2.0	10

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Lab Control Sample - Batch: 660-106128

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-106128/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2011 0906
Date Prepared: 02/07/2011 1035

Analysis Batch: 660-106192
Prep Batch: 660-106128
Units: mg/L

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	10.0	9.49	95	75 - 125	

Lab Control Sample - Batch: 660-106128

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-106128/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2011 0906
Date Prepared: 02/07/2011 1035

Analysis Batch: 660-106192
Prep Batch: 660-106128
Units: ug/L

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1000	967	97	75 - 125	
Cadmium	1000	1010	101	75 - 125	
Chromium	1000	965	96	75 - 125	
Iron	1000	975	98	75 - 125	
Lead	1000	998	100	75 - 125	

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-106128**

**Method: 6010B
Preparation: 3005A
Total Recoverable**

MS Lab Sample ID: 660-39607-A-1-B MS Analysis Batch: 660-106192
Client Matrix: Water Prep Batch: 660-106128
Dilution: 1.0
Date Analyzed: 02/08/2011 0925
Date Prepared: 02/07/2011 1035

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-39607-A-1-C MSD Analysis Batch: 660-106192
Client Matrix: Water Prep Batch: 660-106128
Dilution: 1.0
Date Analyzed: 02/08/2011 0931
Date Prepared: 02/07/2011 1035

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sodium	95	100	75 - 125	4	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-106128**

**Method: 6010B
Preparation: 3005A
Total Recoverable**

MS Lab Sample ID: 660-39607-A-1-B MS Analysis Batch: 660-106192
Client Matrix: Water Prep Batch: 660-106128
Dilution: 1.0
Date Analyzed: 02/08/2011 0925
Date Prepared: 02/07/2011 1035

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-39607-A-1-C MSD Analysis Batch: 660-106192
Client Matrix: Water Prep Batch: 660-106128
Dilution: 1.0
Date Analyzed: 02/08/2011 0931
Date Prepared: 02/07/2011 1035

Instrument ID: ICPA
Lab File ID: 11B08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	91	97	75 - 125	6	20		
Cadmium	94	100	75 - 125	6	20		
Chromium	91	97	75 - 125	6	20		
Iron	169	180	75 - 125	2	20	J3	J3
Lead	92	99	75 - 125	6	20		

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106113

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-106113/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1045
Date Prepared: N/A

Analysis Batch: 660-106113
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 10.0000.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-106113

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-106113/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1057
Date Prepared: N/A

Analysis Batch: 660-106113
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.6	106	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-106113

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-39582-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1545
Date Prepared: N/A

Analysis Batch: 660-106113
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 36.0000.d
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
1 uL

MSD Lab Sample ID: 660-39582-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1556
Date Prepared: N/A

Analysis Batch: 660-106113
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 37.0000.d
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	89	92	90 - 110	0	30	J3	

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106214

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-106214/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/07/2011 1044
Date Prepared: N/A

Analysis Batch: 660-106214
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 10.0000.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-106214

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-106214/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/07/2011 1055
Date Prepared: N/A

Analysis Batch: 660-106214
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.6	106	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-106214

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-39596-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2011 1006
Date Prepared: N/A

Analysis Batch: 660-106214
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 46.0000.d
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
1 uL

MSD Lab Sample ID: 660-39596-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/07/2011 1541
Date Prepared: N/A

Analysis Batch: 660-106214
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 35.0000.d
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL
1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	108	79	90 - 110	17	30		J3

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106096

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-106096/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1446
Date Prepared: N/A

Analysis Batch: 660-106096
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 02.04.11.NH3.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia as N	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-106096

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-106096/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1447
Date Prepared: N/A

Analysis Batch: 660-106096
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 02.04.11.NH3.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia as N	0.500	0.489	98	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-106096

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-39582-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1449
Date Prepared: N/A

Analysis Batch: 660-106096
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: 02.04.11.NH3.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-39582-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2011 1450
Date Prepared: N/A

Analysis Batch: 660-106096
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: 02.04.11.NH3.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia as N	107	100	90 - 110	4	30		

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106359

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-106359/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2011 1520
Date Prepared: N/A

Analysis Batch: 660-106359
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: OM_2-10-2011_03-07-32P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia as N	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-106359

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-106359/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2011 1521
Date Prepared: N/A

Analysis Batch: 660-106359
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: OM_2-10-2011_03-07-32P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia as N	0.500	0.504	101	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-106359

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-39596-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2011 1523
Date Prepared: N/A

Analysis Batch: 660-106359
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: OM_2-10-2011_03-07-32
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-39596-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2011 1524
Date Prepared: N/A

Analysis Batch: 660-106359
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: OM_2-10-2011_03-07-32P
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia as N	78	78	90 - 110	0	30	J3	J3

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Method Blank - Batch: 660-106151

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-106151/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/07/2011 1521
Date Prepared: N/A

Analysis Batch: 660-106151
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-106151

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-106151/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/07/2011 1522
Date Prepared: N/A

Analysis Batch: 660-106151
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9790	98	80 - 120	

Quality Control Results

Client: Hillsborough County

Job Number: 660-39582-1

Duplicate - Batch: 660-106151

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-39582-1

Analysis Batch: 660-106151

Instrument ID: No Equipment Assigned

Client Matrix: Water

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 02/07/2011 1523

Final Weight/Volume: 50 mL

Date Prepared: N/A

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	110	112	0	20	

Duplicate - Batch: 660-106151

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-39596-4

Analysis Batch: 660-106151

Instrument ID: No Equipment Assigned

Client Matrix: Water

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 02/07/2011 1533

Final Weight/Volume: 50 mL

Date Prepared: N/A

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	190	202	4	20	

660-39582

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY:

REP. OF CONTRACT LAB.

1/31/11 1100

ACCEPTED BY:

REP. OF SOLID WASTE DEPT.

2-1-11 1100

LOCATION: TH-28A WACS# 19862

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

☒ A. Balloon ☒ JC ☐

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 34.30 Ft.

DEPTH TO WATER: 28.24 Ft.

LENGTH OF WATER COL: 6.04 Ft.

VOLUME TO PURGE: 0.97 Gal.

PURGE STARTED:

DATE | TIME
2-3-11 11:15

PURGE RATE:

0.2 GPM.

PURGE ENDED:

DATE | TIME
2-3-11 11:25

ACT. VOL. PURGED:

2 GAL.

FIELD PARAMETERS:

Draw Down: 29.00

BY	TIME	TEMP	COND	PH	DO	TURB
A JC	11:21	25.84	234	5.07	0.95	3.0 =
B JC	11:23	25.90	233	5.07	0.94	2.7
C JC	11:25	25.90	233	5.07	0.94	2.5

SAMPLE CONTAINERS

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

4

TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2-3-11 11:25

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0

YES

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY:

REP. OF SOLID WASTE DEPT.

DATE | TIME

2-3-11 3:35

ACCEPTED BY:

REP. OF CONTRACT LAB.

2-3-11 3:35

COMMENT'S:

u0#0032

4.8°C u07

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

PRECLEANED SAMPLE CONTAINERS:

RELINQUISHED BY: [Signature] REP. OF CONTRACT LAB. 1/31/11 11:00
ACCEPTED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-1-11 1:00

LOCATION: **TH-40 WACS# 822**

SAMPLE MATRIX: **WATER** OTHER MATRIX:

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

WELL DIAMETER: **2.0** INCH:

TOTAL DEPTH OF WELL: 165.90 Ft.

DEPTH TO WATER: 103.59 Ft.

LENGTH OF WATER COL: 62.31 Ft.

VOLUME TO PURGE: 9.97 Gal.

PURGE STARTED: 2-2-11 10:28

PURGE RATE: 1.00 GPM.

PURGE ENDED: 2-2-11 10:44

ACT. VOL. PURGED: 14 GAL.

FIELD PARAMETERS:

Draw Down: 103.59

BY	TIME	TEMP	COND	PH	DO	TURB
JG	10:38	23.34	398	7.74	0.82	0.2
JG	10:41	23.35	398	7.74	0.82	0.2
JG	10:44	23.35	398	7.74	0.81	0.2

SAMPLE CONTAINERS

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

TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2-2-11 10:44

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-2-11 8:35

ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-2-11 8:35

COMMENT'S: 40 # 0033

**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: Asu REP. OF SOLID WASTE DEPT. 2-1-11 | 1:00

LOCATION: TH-30

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

☒ A. Balloon ☒ JL ☐

WELL DIAMETER: 2.00 INCH:

TOTAL DEPTH OF WELL: 46.19 Ft.

DEPTH TO WATER: 24.00 Ft.

LENGTH OF WATER COL: 22.19 Ft.

VOLUME TO PURGE: 3.55 Gal.

PURGE STARTED:

DATE | TIME

2-2-11 | 1:25

PURGE RATE:

0.25 GPM.

PURGE ENDED:

DATE | TIME

2-2-11 | 1:43

ACT. VOL. PURGED:

4.5 GAL.

FIELD PARAMETERS:

Draw Down: 24.20

BY	TIME	TEMP	COND	PH	DO	TURB
<u>As</u>	<u>JL</u>	<u>1:39</u>	<u>23.67</u>	<u>244</u>	<u>4.44</u>	<u>.27</u>
<u>As</u>	<u>JL</u>	<u>1:41</u>	<u>23.67</u>	<u>244</u>	<u>4.44</u>	<u>.27</u>
<u>As</u>	<u>JL</u>	<u>1:43</u>	<u>23.65</u>	<u>244</u>	<u>4.45</u>	<u>.27</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
	40 ml VIAL		40 ml VIAL	
<u>1</u>	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
<u>1</u>	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

4

TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2-2-11 | 1:43

ANALYSIS REQUESTED:

km 2-4-11

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron, Arsenic, Cadmium, Chromium, Lead

PRESERVED SAMPLES PH < 2.0 4/35 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: Asu REP. OF SOLID WASTE DEPT. 2-2-11 | 3:35

ACCEPTED BY: Carol McHulley REP. OF CONTRACT LAB. 2-2-11 | 3:35

COMMENT'S: W0#0033

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

PRECLEANED SAMPLE CONTAINERS:

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

DATE | TIME

1/31/11 | 1100

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: TH-57 WACS# 1570

SAMPLE MATRIX: WATER OTHER MATRIX: _____

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

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 26.83 Ft.

DEPTH TO WATER: 19.41 Ft.

LENGTH OF WATER COL: 7.42 Ft.

VOLUME TO PURGE: 1.19 Gal.

PURGE STARTED:

DATE | TIME

2.3.11 | 10:57

PURGE RATE:

0.25 GPM.

PURGE ENDED:

DATE | TIME

2.3.11 | 11:06

ACT. VOL. PURGED:

2.25 GAL.

FIELD PARAMETERS:

Draw Down: 20.40

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	11:02	26.12	187	5.09	0.63	0.3 =
AB JC	11:04	26.13	189	5.09	0.63	0.4
AB JC	11:06	26.13	189	5.08	0.62	0.4

SAMPLE CONTAINERS

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

4 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2.3.11 | 11:06

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

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

DATE | TIME

2.3.11 | 3:35

2.3.11 | 3:35

COMMENT'S: _____

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: [Signature]

REP. OF CONTRACT LAB.

1/31/11 | 1100

ACCEPTED BY: _____

REP. OF SOLID WASTE DEPT.

LOCATION: TH-73 WACS#27754

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

☐ A.Balloon ☐

☐

WELL DIAMETER: 2 INCH:

TOTAL DEPTH OF WELL: 43.40 Ft.

DEPTH TO WATER: 30.79 Ft.

LENGTH OF WATER COL: 12.61 Ft.

VOLUME TO PURGE: 2.02 Gal.

PURGE STARTED:

DATE | TIME

2.3.11 | 11:40

PURGE RATE:

0.25 GPM.

DATE | TIME

PURGE ENDED:

2.3.11 | 12:04

ACT. VOL. PURGED:

6 GAL.

FIELD PARAMETERS:

Draw Down: 30.71

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	12:00	24.13	402	5.64	1.79	17.7 =
AB JC	12:02	24.12	399	5.62	1.79	12.5
AB JC	12:04	24.12	400	5.62	1.78	17.6

SAMPLE CONTAINERS

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

4

TOTAL No. OF SAMPLES COLLECTED:

Colors and Sheens _____

COLLECTED

DATE | TIME

2.3.11 | _____

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0 _____

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature]

REP. OF SOLID WASTE DEPT.

DATE | TIME

2.3.11 | 3:35

ACCEPTED BY: [Signature]

REP. OF CONTRACT LAB.

2.8.11 | 3:25

COMMENT'S: _____

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: [Signature]

REP. OF CONTRACT LAB.

1/31/11 | 1100

ACCEPTED BY: _____

REP. OF SOLID WASTE DEPT.

LOCATION: TH-42 WACS# 823

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

☒ A. Balloon

☒ J. Clayton

☐

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 164 Ft.

DEPTH TO WATER: 83.85 Ft.

LENGTH OF WATER COL: 80.15 Ft.

VOLUME TO PURGE: 12.82 Gal.

PURGE STARTED:

DATE | TIME
2.3.11 | 1:05

PURGE RATE:

0.25 GPM.

PURGE ENDED:

DATE | TIME
2.3.11 | 1:59

ACT. VOL. PURGED:

13.5 GAL.

FIELD PARAMETERS:

Draw Down 90.02

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	1:55	23.51	535	7.05	0.77	288.4 =
AB JC	1:57	23.51	534	7.07	0.77	306.4
AB JC	1:59	23.51	534	7.07	0.77	322.3

SAMPLE CONTAINERS

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

4

TOTAL NO. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME
2.3.11 | 1:59

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0 _____

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature]

REP. OF SOLID WASTE DEPT.

DATE | TIME
2.3.11 | 3:35

ACCEPTED BY: [Signature]

REP. OF CONTRACT LAB.

2.3.11 | 3:35

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: [Signature] REP. OF CONTRACT LAB.

1/31/11 | 1100

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: BLANK, EQUIPMENT

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☒ A. Balloon ☒ S. Clayton ☐

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

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

4 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2.3.11 | 10:30

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0 _____

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

DATE | TIME

2.3.11 | 3:35

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

2.3.11 | 3:35

COMMENT'S: _____

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

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

1/31/11 | 1100

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: DUPLICATE

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION : ☒ A. Balloon ☒ 1a ☐

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
	40 ml VIAL		40 ml VIAL	
<u>1</u>	125 ml. PLASTIC		125 ml. PLASTIC	
<u>*</u>	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
<u>1</u>	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

4 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2.3.11 |

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

DATE | TIME

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

2.3.11 | 3:35

2.3.11 | 3:35

COMMENT'S: _____

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

39596

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

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

1/31/11 | 11:00

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: TH-72 WACS# 27753

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

☒ A.Balloon etc

☐

WELL DIAMETER: 2 INCH:

TOTAL DEPTH OF WELL: 190.00 Ft.

PURGE STARTED:

DATE | TIME

2.4.11 | 9:46

DEPTH TO WATER: 111.20 Ft.

PURGE RATE:

0.25 GPM.

LENGTH OF WATER COL: 78.80 Ft.

DATE | TIME

2.4.11 | 10:34

VOLUME TO PURGE: 12.60 Gal.

PURGE ENDED:

ACT. VOL. PURGED:

13.5 GAL.

FIELD PARAMETERS:

Draw Down 111.1

BY	TIME	TEMP	COND	PH	DO	TURB
AC AB	10130	22.93	545	7.39	1.11	10.0 =
SC AB	10132	22.95	545	7.38	1.09	9.8
SC AD	10134	22.95	545	7.38	1.09	9.9

SAMPLE CONTAINERS:

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

4 TOTAL NO. OF SAMPLES COLLECTED:

Colors and Sheens _____

COLLECTED

DATE | TIME

2.4.11 | 10:34

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0 _____

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

DATE | TIME

2.4.11 | 2:10

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

2.4.11 | 2:10

COMMENT'S: W0# 0033

6.9°C Cu-07

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

PRECLEANED SAMPLE CONTAINERS:

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

DATE | TIME

1/31/11 | 1100

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: TH-19 WACS# 821

SAMPLE MATRIX: WATER OTHER MATRIX: _____

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

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 153.60 Ft.

DEPTH TO WATER: 106.06 Ft.

LENGTH OF WATER COL: 47.54 Ft.

VOLUME TO PURGE: 7.61 Gal.

PURGE STARTED:

DATE | TIME
2.4.11 | 10:00

PURGE RATE:

1.00 GPM.

PURGE ENDED:

DATE | TIME
2.4.11 | 10:12

ACT. VOL. PURGED:

12 GAL.

FIELD PARAMETERS:

Draw Down: 106.10

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	10:08	23.41	409	7.49	0.83	0.2 =
AB JC	10:10	23.42	409	7.49	0.83	0.2
AB JC	10:12	23.42	409	7.49	0.83	0.2

SAMPLE CONTAINERS

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

4 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME
2.4.11 | 10:12

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

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

DATE | TIME

2.4.11 | 2:10
2.4.11 | 2:10

COMMENT'S: WO # 0033 5.99 Cu-07

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

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

11/31/11 | 11:00

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: SUP 1 WACS# 27755

SAMPLE MATRIX: WATER OTHER MATRIX: _____

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

WELL VOLUME TO PURGE: 15 MIN:

PURGE STARTED: DATE 2.4.11 TIME 11:14

ACTUAL PURGE TIME: 19 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	11:29	24.43	353	7.58	0.31	0.1 =
AB JC	11:31	24.44	353	7.59	0.30	0.1
AB JC	11:33	24.42	353	7.59	0.31	0.1

SAMPLE CONTAINERS

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

4 TOTAL NO. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME
2.4.11 | 11:33

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

DATE | TIME

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

2.4.11 | 2:10
2.4.11 | 2:10

COMMENT'S: WOF 0033 4.3°C Ca-O7

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

PRECLEANED SAMPLE CONTAINERS:

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

DATE | TIME

1/31/11 | 1100

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

LOCATION: SUP 2 WACS# 27756

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A. Balloon ☐

WELL VOLUME TO PURGE: 15 MIN:

PURGE STARTED: DATE 2.4.11 TIME 10:47

ACTUAL PURGE TIME: 19 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JC	11:02	24.43	341	7.64	1.10	0.1
AB JC	11:04	24.44	341	7.63	1.10	0.2
AB JC	11:06	24.43	340	7.62	1.05	0.1

SAMPLE CONTAINERS

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

4 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED

DATE | TIME

2.4.11 | 11:06

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE SODIUM TDS Iron Arsenic Cadmium Chromium Lead

PRESERVED SAMPLES PH < 2.0 _____

SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT.

DATE | TIME

2.4.11 | 2:10

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

2.4.11 | 2:10

COMMENT'S: WOF 0033 4.30C 0.05

Login Sample Receipt Check List

Client: Hillsborough County

Job Number: 660-39582-1

Login Number: 39582

Creator: McNulty, Carol

List Number: 1

List Source: TestAmerica Tampa

Question	T / F / NA	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	4.8 degreesC 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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Hillsborough County

Job Number: 660-39582-1

Login Number: 39596

List Source: TestAmerica Tampa

Creator: McCaughey, Becky

List Number: 1

Question	T / F / NA	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	5.9 degreesC 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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	