

ANALYTICAL DATA REPORT FEBRUARY 2013

SOUTHEAST COUNTY LANDFILL SITE HILLSBOROUGH COUNTY, FLORIDA

**Hillsborough County
Public Utilities Department
P.O. Box 1110
Tampa, Florida 33601**

May 1, 2013

Florida Department of Environmental Protection

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

DEP Form # <u>62-522.900(2)</u>
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

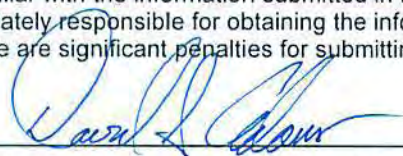
PART I GENERAL INFORMATION

- (1) Facility Name SOUTHEAST LANDFILL
 Address 15960 C. R. 672
 City LITHIA, FL Zip 33503
 Telephone Number (813) 671-7707
- (2) The GMS Identification Number 4029C30075
- (3) DEP Permit Number 35435-014-SO/01
- (4) Authorized Representative Name DAVID S. ADAMS, ENVIRONMENTAL MANAGER, PUBLIC UTILITIES DEPT.
 Address 332 NORTH FALKENBURG ROAD
 City TAMPA, FLORIDA Zip 33619
 Telephone Number (813) 663-3221
- (5) Type of Discharge GROUNDWATER - POTENTIAL ONLY
- (6) Method of Discharge LANDFILL

Certification

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

Date: 5/1/2013



Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # _____
- Analytical Lab Comp QAP # /HRS Certification # _____
- *Comp QAP # /HRS Certification # _____
- Lab Name TEST AMERICA LABORATORIES, INC.
- Address 6712 BENJAMIN ROAD , SUITE 100, TAMPA, FL 33634
- Phone Number (813) 885-7427

BOARD OF COUNTY COMMISSIONERS

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April 30, 2013

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

**Re: Southeast County Landfill
Permit No. 35435-014-SO/01
Analytical Data Report – February 2013**

Dear Mr. Morris:

In accordance with the above-referenced permit, the Hillsborough County Public Utilities Department (County) is pleased to provide the February 2013 Analytical Data Report (ADR) for the water quality monitoring event conducted at the Southeast County Landfill (SCLF). A total of sixteen (16) monitoring wells, two (2) surface water sampling locations, three (3) leachate sumps, and four (4) private supply wells were sampled on February 18-20, 2013 by the County's Field Sampling Team and analyzed by our contracted laboratory, Test America, Inc.

This ADR provides a general discussion of the parameter specific water quality observations across the site, supporting documentation, and the complete analytical data report from Test America with the required laboratory quality control data.

FIELD PARAMETERS

pH

The surficial aquifer detection and background water quality monitoring wells continue to exhibit pH values below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units. The pH values range from 4.32 to 6.25 pH units. The pH values within the surficial have historically been observed below the acceptable range, and recent data remains consistent with the extensive historical data set for the site. No other unusual conditions or changes in pH values within any of the detection or background monitoring wells or the surface water sites were observed during this sampling event.

Turbidity

The turbidity values observed in the surficial aquifer ranged from 0.67 to 22.2 Nephelometric Turbidity Units (NTU). Over the past three years, surficial aquifer detection monitoring well, TH-70A well has been observed to have a problem with what appears to be iron bacteria that forms a slime on the pump, well screen and casing. Prior to the February 2013 sampling event, the pump was pulled and thoroughly cleaned, the well screen and casing were scrubbed with a bottle brush attached to a ½-inch PVC pipe. Potable water was used to help clean and flush the well, and thoroughly clean the stainless steel pump. The monitoring well was extensively purged and redeveloped utilizing an electric typhoon pump until the discharge appeared clean and clear for a minimum of 20 minutes. It is believed that poor quality fill material was utilized for construction of the landfill cell in the down gradient areas of Section 9. The County believes that material is driving the iron bacteria in this well. This problem will likely persist and the well pump has been clogged in the past, so the County plans on performing this well/pump clean out work prior to future sampling events to ensure a sample can be collected.

In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the County records turbidity data at the three sampling points in the surface water tributary to Long Flat Creek after each significant rainfall event. Between November 2012 and January 2013, turbidity measurements were not recorded due to the lack of any significant rainfall events at the site during this time period. Based on the surface water quality observed during the quarter, the storm water management system appears to remain effective, as designed.

GENERAL PARAMETERS

Total Alpha and Radium 226/228

The Weeks' private supply well exhibited a concentration of total alpha at 19.6 +/- 2.5 picocuries per liter pCi/L which is above the Primary Drinking Water Standard (PDWS) of 15 pCi/l. In addition, radium 226/228 also exceeded the PDWS of 5 pCi/l, with a result of 13.9 +/- 1.7 pCi/l. This supply well consistently exhibits these parameters exceeding respective standards over the period of record. No unusual conditions were observed during this sampling event, and the home owner has been appropriately notified of the results. The detections of radiological parameters in the Weeks' private supply well, which is located well up gradient from the landfill, does not appear to be attributable to the landfill, and more likely naturally occurring or attributable to past mining activities in area.

Total Dissolved Solids (TDS)

Surficial aquifer detection groundwater monitoring wells, TH-69A and TH-71A, two of the detection wells located immediately down gradient of Section 9, exhibited TDS concentrations of 800 mg/l and 530 mg/l, which exceed the SDWS of 500 mg/l. The TDS values in TH-69A have been increasing over the past year with concentrations at 400, 330, 510, and 710 mg/l, and now 800 mg/l. Conductivity and chloride also exhibited increases over the past year. The County is currently evaluating the water quality in TH-69A and TH-71A, and the possible sources of these water quality changes. The initial thinking is that the data available do not correlate these impacts to a leak in the liner, but more to a potential storm water source.

METALS

Arsenic

Arsenic was observed above the PDWS of 0.01 mg/l in surficial aquifer detection monitoring well TH-58. This location exhibited a concentration of 0.028 mg/l which exceeds the standard of 0.01 mg/l. The concentrations of arsenic observed in TH-58 have been very consistent over the period of record. Based on the consistent concentration of arsenic, even with the observed changes in water quality attributable to the sinkhole, the County maintains the position that the arsenic observed in TH-58 is naturally occurring within the soils surrounding the well and is likely being mobilized within the anaerobic environment below the lined landfill.

The arsenic observed in detection well TH-65 has periodically been observed slightly above the PDWS throughout the period of record. However, during this sampling event, arsenic was observed at 0.0072 mg/l, which is below the PDWS.

Iron

Iron concentrations in thirteen (13) of the fourteen (14) surficial aquifer detection and background water quality monitoring wells sampled were observed above the SDWS of 0.3 mg/l. Concentrations of iron exceeding the standard ranged from 0.36 mg/l to 23 mg/l. Iron observed in the surficial aquifer wells across the site has historically been elevated, and several very high iron values were noted on site prior to construction of the landfill. The highest concentrations continue to be observed in TH-69A, TH-70A, and TH-71A at 9.1 mg/l, 13 mg/l, and 23 mg/l, respectively. The iron concentrations along the northwest side of Section 9 have been elevated since the initial sampling of groundwater in the area, which was conducted prior to waste filling. As previously discussed, the iron is likely attributable to the imported soils placed in this area outside the liner during construction of Section 9. The potential sources of the elevated iron concentrations at various locations of the site have been evaluated, and there appears to be more than one single contributing factor. The County maintains the position that the source(s) of elevated iron concentrations observed within the surficial aquifer groundwater at the Southeast County Landfill site are not the landfill.

The private supply wells owned by Mr. Tom Holland, located at 121 Carter Road and Mr. Harold Weeks, located at 116 Wendel Avenue exhibited concentrations of iron at 2 mg/l and 0.69 mg/l, which are above the SDWS of 0.3 mg/l. Concentrations of iron are consistently above the SDWS in these wells, but based on their up gradient locations, the County maintains the position that the iron is naturally occurring within the upper Floridan aquifer. No unusual changes in iron concentrations have been observed in any of the monitoring wells, surface water sampling locations, or private supply wells during this sampling event.

GROUNDWATER ELEVATIONS

Groundwater and surface water elevations are recorded on the first day of the quarterly sampling event, and the data from sixty-three (63) points are recorded as quickly as possible and utilized to prepare an elevation and contour diagram to evaluate the general directions of groundwater flow across the site. The general directions of flow remain to the northwest and west. The diagram for this event was prepared with a 2 ft. contour line interval.

CONCLUSIONS

Overall, the water quality at the Southeast County Landfill and surrounding areas remains consistent with the historical data set for the site. The groundwater within the surficial aquifer continues to exhibit pH, arsenic and iron outside their applicable standards, but these constituents have been attributed to sources other than the landfill. The TDS above the SDWS and upward trend in chloride and conductivity in TH-69A and TH-71A, does not appear to be readily attributable to the landfill, but additional evaluation appears warranted. The County will continue to closely monitor the water quality across the site, with a focus on the changes occurring in these two locations.

The upper Floridan aquifer monitoring wells sampled as part of this program continue to exhibit water quality within all applicable standards and do not appear to exhibit any impacts attributable to the landfill. The water quality impacts to TH-72 are being addressed through the IAMP, and reported separately.

Enclosed for your review is a detailed site location map, the data summary tables for the groundwater monitoring wells, surface water sites, private supply wells, leachate sumps, and the turbidity data from the monitoring of the tributary to Long Flat Creek. This report also provides a groundwater elevation data summary table, a surficial aquifer groundwater elevation and contour diagram, copies of the letters sent to the owners of the private supply wells, and the complete laboratory analytical data report sheets.

Mr. John Morris, P.G.
April 30, 2013
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Should you have any questions, require any additional information, or would like to discuss the information provided within this submittal, please feel free to contact me at (813) 663-3221 or via e-mail at adamsds@hillsboroughcounty.org.

Respectfully submitted,

David S. Adams 4/30/2013

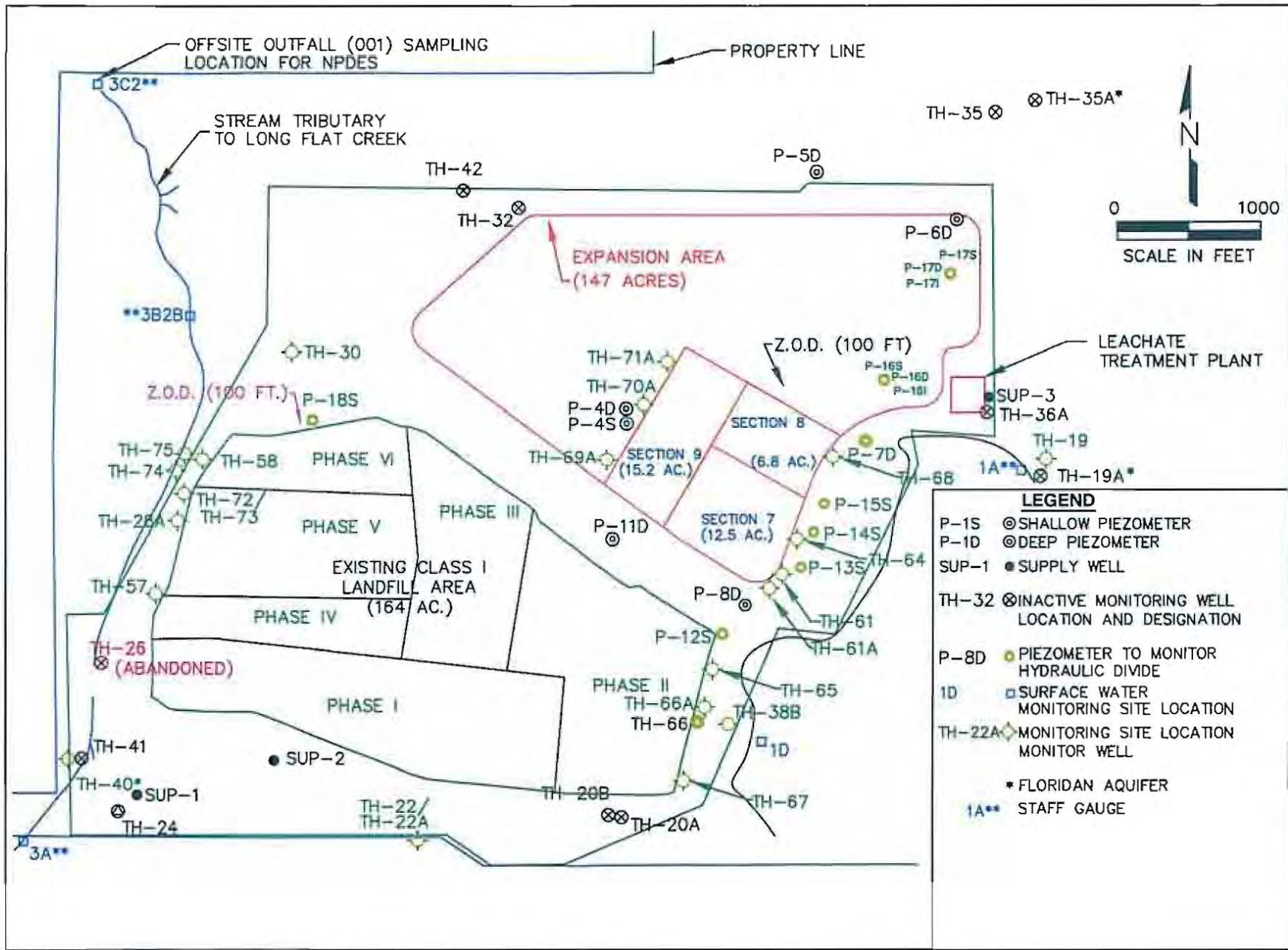
David S. Adams, P.G.
Environmental Manager
Public Utilities Department



DSA/mdt

cc: Patricia Berry, Group Manager, Solid Waste Operations
Andy Berry, Section Manager, Environmental Services
Larry Ruiz, GM III, Solid Waste Operations
Ernest Ely, Landfill Manager, WM, Southeast Landfill
Clark Moore, Florida Department of Environmental Protection
Andy Schipfer, HC Environmental Protection Commission
Irene Barnes, Southeast Hillsborough Civic Association
Rich Siemering, HDR

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Site Map

Southeast County Landfill Facility, Hillsborough County, Florida

Laboratory Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill (Phases 1-6) February 18-20, 2013

GENERAL (mg/l) PARAMETERS	Floridan Aquifer		Surficial Aquifer Wells							(MCL) STANDARD
	TH-19	TH-40	TH-22A	TH-28A	TH-57	TH-58	TH-65	TH-66A	TH-67	
well type	Background	Detection	Background	Detection	Detection	Detection	Detection	Background	Detection	
conductivity (umhos/cm) (field)	360	326	239	334	186	494	281	360	684	NS
dissolved oxygen (mg/l) (field)	0.79	0.55	0.44	0.71	0.14	7.28	0.34	0.71	0.81	NS
pH (SU) (field)	7.18	7.16	4.32	5.01	4.99	6.16	5.09	5.80	6.25	(6.5 - 8.5)**
temperature (°C) (field)	23.30	23.50	21.40	26.40	26.40	25.80	23.80	22.40	22.90	NS
turbidity (NTU) (field)	0.26	0.33	16.7	1.46	0.67	5.81	3.64	1.91	13.9	NS
total dissolved solids (mg/l)	240	220	170	180	90	180	200	220	350	500**
chloride (mg/l)	7.6	7.5	13	67	29	28	16	24	41	250**
ammonia nitrogen (mg/l as N)	0.37	0.3	0.57	2.8	1.1	1.1	1.4	0.29	1.4	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.1 u j3	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	10*
Metals: (mg/l)	Floridan Aquifer		Surficial Aquifer Wells							(MCL) STANDARD
	TH-19	TH-40	TH-22A	TH-28A	TH-57	TH-58	TH-65	TH-66A	TH-67	
arsenic	0.0013 u	0.0013 u	0.0013 u	0.0023 i	0.0013 u	0.028	0.0072	0.0039	0.0013 u	0.01*
barium	0.005	0.0053	0.061	0.0018 i	0.0062	0.019	0.0013 u	0.0019 i	0.0049 i	2*
cadmium	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.00011 i	0.005*
chromium	0.0025 u	0.0025 u	0.0043 i	0.0025 u	0.0025 u	0.0045 i	0.0026 i	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 u	0.00034 i	0.00015 u	0.00024 i	0.00084	0.0012	0.00038 i	140***
copper	0.0011 u	0.0011 u	0.0011 i	0.0011 u	0.0011 u	0.0011 u	0.0013 i	0.0011 u	0.0011 u	1**
iron	0.033 u	0.049 i	0.43	3.9	0.37	3.8	2.2	1.4	9.4	0.3**
lead	0.0002 u	0.0002 u	0.0011 i	0.0002 u	0.0002 u	0.0002 i	0.0002 u	0.0002 u	0.0002 u	0.015*
nickel	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.0023 i	0.1*
selenium	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.0014 i	0.0015 i	0.0018 i	0.001 u	0.05*
sodium	12	15	4.1	25	11	20	14	8.9	27	160*
thallium	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.002 *
vanadium	0.0038 u	0.0038 u	0.0038 u	0.0038 u	0.0038 u	0.0065 i	0.0059 i	0.027	0.0059 i	49***

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012
NS=NO STANDARD
MCL=MAXIMUM CONTAMINANT LEVEL
BDL=BELOW DETECTION LIMIT
*=DENOTES PRIMARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.310, FAC
**=DENOTES SECONDARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.320, FAC
***=DENOTES GROUNDWATER CLEANUP TARGET LEVEL AS PER CHAPTER 62-777, FAC

4.32 : EXCEEDS STANDARDS

NTU=NEPHELOMETRIC TURBIDITY UNITS
i = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
u = parameter was analyzed but not detected.
j3 = estimated value, value may not be accurate. Spike recovery or RPD outside of criteria.
ug/l=MICROGRAMS PER LITER
mg/l=MILLIGRAMS PER LITER

Laboratory Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill (Sections 7-9) February 18-20, 2013

GENERAL (mg/l) PARAMETERS	Surficial Aquifer Wells							(MCL) STANDARD
	TH-36-A	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	
well type	Background	Detection	Detection	Detection	Detection	Detection	Detection	
conductivity (umhos/cm) (field)	147	191	266	235	892	416	815	NS
dissolved oxygen (mg/l) (field)	0.59	0.92	0.25	0.57	0.38	1.06	0.22	NS
pH (SU) (field)	5.58	5.61	4.90	5.43	5.80	6.17	6.09	(6.5 - 8.5)**
temperature (°C) (field)	25.00	24.8	25.6	25.7	24.9	25.30	24.5	NS
turbidity (NTU) (field)	6.85	2.1	12.9	17.1	2.43	22.2	7.9	NS
total dissolved solids (mg/l)	120	160	220	230	800	280	530	500**
chloride (mg/l)	2.8 i	6.8	18	23	190	29	100	250**
ammonia nitrogen (mg/l as N)	0.28	0.28	0.25	0.12	0.77	1.1	2.3	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.21 i	0.1 u	10*
								(MCL) STANDARD
Metals: (mg/l)	TH-36-A	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	
arsenic	0.0017 i	0.0013 u	0.0015 i	0.0033	0.0013 u	0.0027	0.0034	0.01*
barium	0.0066	0.0041 i	0.067	0.01	0.0092	0.005	0.023	2*
cadmium	0.000095 u	0.000095 u	0.00026 i	0.00014 i	0.000095 u	0.000095 u	0.00021 i	0.005*
chromium	0.0025 u	0.0025 u	0.0035 i	0.0027 i	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 i	0.00015 u	0.00015 u	0.00018 i	0.0014	140***
copper	0.0011 u	0.0011 u	0.0011 u	0.0019 i	0.0011 u	0.0011 u	0.0011 u	1**
iron	0.18	0.36	0.68	0.41	9.1	13	23	0.3**
lead	0.00048 i	0.0002 u	0.0019	0.00053 i	0.00024 i	0.0002 u	0.002	0.015*
nickel	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.0045 i	0.1*
selenium	0.001 u	0.001 u	0.0017 i	0.0011 i	0.001 u	0.001 u	0.001 u	0.05*
sodium	3.6	3.4	8.4	8.4	25	7.5	7.9	160*
vanadium	0.0081 i	0.015	0.0084 i	0.0041 i	0.0038 u	0.0038 u	0.0053 i	49***
Notes: Reference Groundwater Guidance Concentrations, FDEP 2012								
NS=NO STANDARD								
MCL=MAXIMUM CONTAMINANT LEVEL								
BDL=BELOW DETECTION LIMIT								
*=DENOTES PRIMARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.310, FAC								
**=DENOTES SECONDARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.320, FAC								
***=DENOTES GROUNDWATER CLEANUP TARGET LEVEL AS PER CHAPTER 62-777, FAC								
5.58 : EXCEEDS STANDARDS								
NTU=NEPHELOMETRIC TURBIDITY UNITS								
i = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.								
u = parameter was analyzed but not detected.								
ug/l=MICROGRAMS PER LITER								
mg/l=MILLIGRAMS PER LITER								

**Surface Water Sample Locations
Collected at the Southeast County Landfill
February 18, 2013**

GENERAL PARAMETERS					(MCL) STANDARD
	Mine Cut #1	Surface Site 3A	Surface Site 3B2B	Surface Site 3C2	
water level NGVD	120.56	ND	ND	87.43	NS
conductivity (umhos/cm) (field)	488	ND	ND	254	1275
dissolved oxygen (mg/l) (field)	7.95	ND	ND	10.5	Must Be > OR=5.0 (6.5 - 8.5)
pH (field)	6.98	ND	ND	7.19	
temperature (°C) in field	15.70	ND	ND	11.7	NS
turbidity (field) (NTU)	12.3	ND	ND	1.06	29
total dissolved solids (mg/l)	350	ND	ND	180	NS
total suspended solids (mg/l)	28	ND	ND	1.2	NS
total nitrogen (mg/l)	3.4	ND	ND	0.37 i	NS
total phosphorous (mg/l)	2.6	ND	ND	0.39	NS
biochem. oxygen demand (mg/l)	7.6	ND	ND	2 u	NS
chemical oxygen demand (mg/l)	61	ND	ND	26	NS
total organic carbon (mg/l as C)	22	ND	ND	12	NS
chlorophyl-A (mg/m3)	72	ND	ND	0.53	NS
total hardness (mg/l as CaCO)	140	ND	ND	82	NS
unionized ammonia (mg/l)	0.00097	ND	ND	0.00026	< or = to 0.02
fecal coliform (Col/100ml)	20	ND	ND	350	800
(MCL) STANDARD					
Metals: (mg/l)	Mine Cut #1	Surface Site 3A	Surface Site 3B2B	Surface Site 3C2	
iron	0.087 i	ND	ND	0.12	1
barium	0.0032 i	ND	ND	0.0055	2
<p>NOTE: Referenced, Surface Water Quality Standards Chapter 62-302 NS= NO STANDARD ND= NO DATA (No water at sample locations) MCL= MAXIMUM CONTAMINANT LEVEL BDL= BELOW DETECTION LIMIT *= Zn< or =e(0.8473[lnH]+0.7614), note: H=Hardness, for 3A standard is 105.99 **= Cu< or =e(0.8545[lnH]-1.702) ***= Cr< or =e(0.819[lnH]+0.6848) ****= Ni< or =e(0.846[lnH]+0.0584) *****= Pb<=e(1.273[lnH]-4.705) *****= Cd<or =e(0.749[lnH]-4.719) NTU= NEPHELOMETRIC TURBIDITY UNITS µg/l= MICROGRAMS PER LITER mg/l= MILLIGRAMS PER LITER</p>					

**Laboratory Analytical Data - Leachate Sumps 001, 007, and 009
Located at the Southeast County Landfill
February 20, 2013**

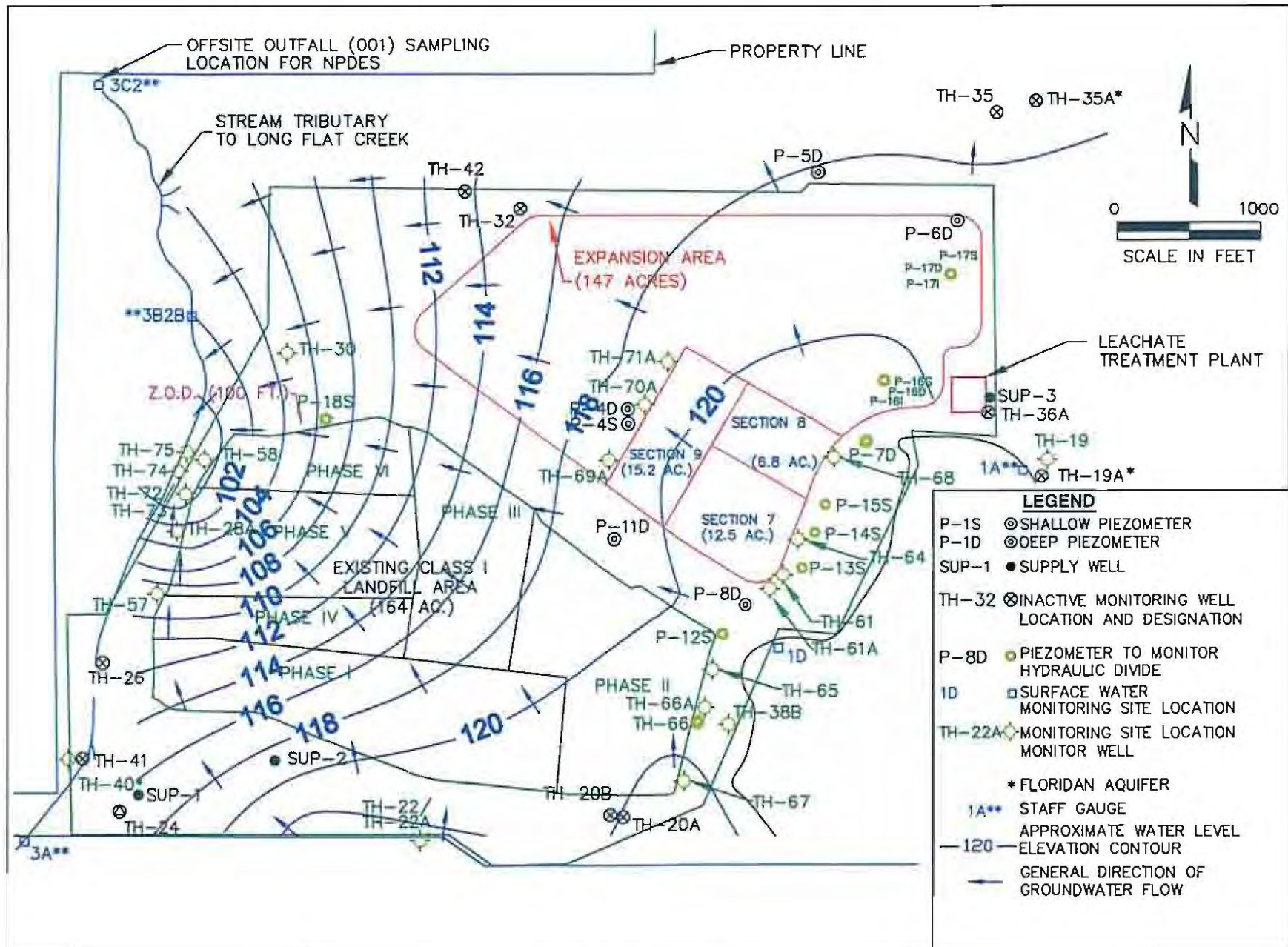
PARAMETERS	LEACHATE SUMP 001	LEACHATE SUMP 007	LEACHATE SUMP 009
conductivity (umhos/cm) (field)	15064	19518	31529
pH (field)	7.08	6.45	6.27
total dissolved solids (mg/l)	7500	5900	29000
temperature (°C) (field)	36.5	29.9	23.9
dissolved oxygen (mg/l)	0.11	2.62	3.86
turbidity (NTU)	72.5	312	87.3
sulfide (mg/l)	3.3	1 u	1.9
bicarbonate (as CaCO3)	2400	450	91
chloride (mg/l)	3100	5800	10000
total cyanide (mg/l)	0.0025 u	0.0044 i	0.0025 u
ammonia	360	510	440
nitrate (mg/l as N)	0.1 u	0.13 i	0.1 u
Metals: (mg/l)	LEACHATE SUMP 001	LEACHATE SUMP 007	LEACHATE SUMP 009
iron	31	150	550
antimony	0.0023 u	0.003 i	0.0046 u
arsenic	0.016	0.015	0.071
barium	0.071	0.5	0.49
cadmium	0.00033 i	0.000095 u	0.00047 i
cobalt	0.013	0.012	0.0066
chromium	0.011	0.012	1.2
copper	0.0072	0.052	0.11
vanadium	0.052	0.044	0.087
lead	0.005	0.0048	0.11
mercury	0.000091 u	0.000091 i	0.00019 i
nickel	0.044	0.068	0.096
selenium	0.0021 i	0.0045	0.0024 i
sodium	1800	1700	2400
zinc	0.019 i	0.074	1.7
tin	0.0015 i	0.0015 i	0.0026 u
Organics: (µg/l)	LEACHATE SUMP 001	LEACHATE SUMP 007	LEACHATE SUMP 009
Organic Parameters Detected			
acenaphthene	0.5	0.019 u	0.019 u
anthracene	0.15	0.019 u	0.019 u
benzene	1.4	20	14
bis(2-ethylhexyl) phthalate	3.4 i	1.3 i	1.4 i
cis-1,2-dichloroethene	0.65 u	0.65 u	0.67 i
chlorobenzene	2.6	0.63 u	0.63 u
chloroethane	2.5 u	2.5 u	3.1 i
1,4-dichlorobenzene	2 i	0.37 u	0.37 u
1,1-dichloroethane	0.52 u	0.52 u	0.56 i
1,2-dichloroethane	0.57 u	0.57 u	4
1,2-dichloropropane	0.52 u	0.76 i	0.88 i
ethylbenzene	2.4	8.7	2.8
3 & 4 methylphenol	5.6 i	110	12
fluoranthene	0.48	0.012 u	0.012 u
fluorene	0.46	0.019 u	0.019 u
1-methylnaphthalene	0.63	0.32	0.019 u
2-methylnaphthalene	0.015 u	1.2	0.83
naphthalene	2.9	5.9	3.1
phenanthrene	0.28	0.019 u	0.019 u
pyrene	0.42	0.012 u	0.012 u
toluene	0.51 u	2.8	1.7
total xylenes	1.9 i	22	7.2
vinyl chloride	0.5 u	2.7	3.9
NTU=NEPHELOMETRIC TURBIDITY UNITS			
µg/l=MICROGRAMS PER LITER			
mg/l=MILLIGRAMS PER LITER			

Laboratory Analytical Results from Private Well Samples Located at the Southeast Landfill February 18, 2013

GENERAL (mg/l) PARAMETERS	Private Wells				(MCL) STANDARD
	Weeks	Holland	Keene, Jr.	Barnes	
conductivity (umhos/cm) (field)	536	413	359	367	NS
dissolved oxygen (mg/l) (field)	1.11	0.11	0.21	2.99	NS
pH (SU) (field)	6.79	7.04	7.45	7.25	(6.5 - 8.5)**
temperature (°C) (field)	23.20	22.20	25.00	19.2	NS
turbidity (NTU) (field)	1.21	0.31	0.21	0.79	NS
total dissolved solids (mg/l)	300	260	220	230	500**
total suspended solids (mg/l)	1 u	2.8	1 u	1 u	NS
total organic carbon (mg/l)	2.8	1.3	1.4	1.8	NS
chloride (mg/l)	29	20	11	7.6	250**
ammonia nitrogen (mg/l as N)	0.14	0.081 J3	0.21	0.12 J3	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.15 i	10*
total alpha (pCi/l)	19.6 +/- 2.5	3.5 +/- 1	4 +/- 1.1	4.8 +/- 1.2	15*
radium 226/228 (pCi/l)	13.9 +/- 1.7	3 +/- 0.8	2.2 +/- 0.9	3.4 +/- 0.9	5*
Private Wells					
Metals: (mg/l)	Weeks	Holland	Keene, Jr.	Barnes	(MCL) STANDARD
arsenic	0.0049	0.0013 u	0.0013 u	0.0013 u	0.01*
barium	0.0044 i	0.0041 i	0.0042 i	0.0045 i	2*
copper	0.015	0.0011 u	0.0011 u	0.0022 i	1**
iron	0.69	2	0.033 u	0.038 i	0.3**
lead	0.0019	0.00034 i	0.0002 u	0.0019	0.015*
nickel	0.002 u	0.0052	0.002 u	0.002 u	0.1*
sodium	7.8	4.9	7	14	160*
zinc	0.11	0.044	0.015 i	0.2	5**
<p>Notes: Reference Groundwater Guidance Concentrations, FDEP 2012 NS=NO STANDARD MCL=MAXIMUM CONTAMINANT LEVEL BDL=BELOW DETECTION LIMIT *=DENOTES PRIMARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.310, FAC **=DENOTES SECONDARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.320, FAC ***=DENOTES GROUNDWATER CLEANUP TARGET LEVEL AS PER CHAPTER 62-777, FAC</p> <p style="text-align: center;">19.6 +/- 2.5 : EXCEEDS STANDARDS</p> <p>NTU=NEPHELOMETRIC TURBIDITY UNITS i = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. u = parameter was analyzed but not detected. pCi/l=PICOCURIES PER LITER ug/l=MICROGRAMS PER LITER mg/l=MILLIGRAMS PER LITER</p>					

**Groundwater and Surface Water Elevations for Southeast County Landfill
February 18, 2013**

Measuring Point I.D.	T.O.C. Elevations (NGVD)	02/18/2013		Time
		W.L. B.T.O.C.	W.L. (NGVD)	
P-4D	140.78	22.51	118.27	12:25 PM
P-4S	140.95	10.10	130.85	12:24 PM
P-6D	151.94	Dry	Dry	11:46 AM
P-6D-A	148.01	28.34	119.67	12:03 PM
P-7D	138.92	18.28	120.66	11:17 AM
P-8D	138.34	18.54	119.80	10:58 AM
P-11D	138.02	18.11	119.91	10:49 AM
P-12S	134.97	14.81	120.16	10:46 AM
P-13S	140.21	19.96	120.25	11:00 AM
P-14S	138.56	18.31	120.25	11:08 AM
P-15S	139.19	18.97	120.22	11:09 AM
P-16S	143.38	16.37	127.01	11:21 AM
P-16I	144.15	24.48	119.67	11:22 AM
P-16D	143.84	24.22	119.62	11:24 AM
P-17S	137.35	18.68	120.67	11:55 AM
P-17I	137.32	17.62	119.70	11:53 AM
P-17D	137.22	17.60	119.62	11:52 AM
P-18S	129.88	18.93	110.93	10:01 AM
P-19	133.36	14.80	118.56	11:59 AM
P-20	132.38	13.59	118.79	12:08 PM
P-21	122.79	4.53	118.26	12:15 PM
P-22	128.35	9.82	118.53	12:18 PM
P-23	143.13	24.18	118.95	12:12 PM
TH-19*	130.27	108.81	21.46	11:33 AM
TH-20A	131.86	10.00	121.86	10:27 AM
TH-20B	132.57	10.99	121.58	10:25 AM
TH-22	128.82	5.64	123.18	9:08 AM
TH-22A	129.27	6.26	123.01	9:09 AM
TH-24A	128.23	5.85	122.38	9:14 AM
TH-28A	131.10	28.68	102.42	10:19 AM
TH-30	128.88	24.16	104.72	10:06 AM
TH-32	129.90	15.26	114.64	9:56 AM
TH-35	145.98	28.85	117.13	11:42 AM
TH-36A	152.70	33.04	119.66	11:29 AM
TH-38A	130.68	10.48	120.20	10:33 AM
TH-38B	131.81	11.29	120.52	10:35 AM
TH-40*	124.99	106.22	18.77	9:18 AM
TH-41*	125.00	108.79	16.21	12:39 PM
TH-42*	116.74	81.00	35.74	9:53 AM
TH-57	128.36	19.46	108.90	9:25 AM
TH-58	127.88	28.38	99.52	10:09 AM
TH-61	138.73	17.97	120.76	10:53 AM
TH-61A	139.45	18.64	120.81	10:55 AM
TH-64	139.64	18.51	121.13	11:03 AM
TH-65	135.40	15.00	120.40	10:43 AM
TH-66	130.58	9.70	120.88	10:38 AM
TH-66A	130.86	10.16	120.50	10:40 AM
TH-67	129.51	7.11	122.40	10:30 AM
TH-68	140.01	19.77	120.24	11:15 AM
TH-69A	144.97	25.85	119.12	12:31 PM
TH-70A	146.63	27.42	119.21	12:28 PM
TH-71A	146.95	27.58	119.37	12:21 PM
TH-72	130.96	109.72	21.24	10:13 AM
TH-73	131.07	32.07	99.00	10:15 AM
TH-74	109.08	10.11	98.97	9:29 AM
TH-75	108.92	8.00	98.92	9:32 AM
SW-3A	3.0'=125.53'	0.10	122.63	9:02 AM
SW-3B2B	3.0'=97.97'	Dry	Dry	9:37 AM
SW-3C2	6.0'=92.33'	1.10	87.43	9:41 AM
Mine Cut #1	4.0'=122.14'	2.42	120.56	11:11 AM
Mine Cut #2	6.0'=123.47'	2.46	119.93	11:36 AM
Mine Cut #3	4.0'=112.27'	1.00	111.27	9:49 AM
Mine Cut #4	5.0'=97.54'	2.50	95.04	9:46 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 18, 2013

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Sharon D. Subadan

April 30, 2013

Mr. Tom Holland
121 Carter Road
Lithia, FL 33547

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

Dear Mr. Holland:

The Hillsborough County Public Utilities Department (County) is pleased to provide the analytical data for your domestic supply well which was sampled on February 18, 2013. Iron was observed at a concentration of 2 milligrams per liter (mg/l) which is above the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. All other parameters are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

For health effects information you may call the Hillsborough County Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 663-3222. Thank you for your permission to test this well.

Sincerely,



4/30/13

Michael D. Townsel
Senior Hydrologist
Public Utilities Department
Environmental Services

Enclosures

cc: Irene Barnes, Southeast Hillsborough Civic Association
Brian Miller, Hillsborough County Health Department
David S. Adams, P.G., Public Utilities

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April 30, 2013

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

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

Dear Mr. & Mrs. Weeks:

The Hillsborough County Public Utilities Department (County) is pleased to provide the analytical data for your domestic supply well which was sampled on February 18, 2013. Iron was observed at a concentration of 0.69 milligrams per liter (mg/l). This value exceeds the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. In addition, total alpha and radium 226/228 were also observed at concentration of 19.6 picocuries per liter (pCi/l) and 13.9 pCi/l, which exceed their respective Florida Primary Drinking Water Standard (FAC Ch 62-550.310) of 15 pCi/l and 5 pCi/l. All other parameters tested are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

For health effects information you may call the Hillsborough Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 663-3222. Thank you for your permission to test this well.

Sincerely,

4/30/13

Michael D. Townsel
Senior Hydrologist
Public Utilities Department
Environmental Services

xc: Irene Barnes, Southeast Hillsborough Civic Association
Brain Miller, Hillsborough County Health Department
David S. Adams, P.G., Public Utilities

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DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garys
Sharon D. Subadan

April 30, 2013

Mr. Leon Keene, Jr.
16617 County Road 672
Lithia, FL 33547

Subject: **Laboratory Analytical Data Report**
Domestic Supply Wells
16617 County Road 672

Dear Mr. Keene:

The Hillsborough County Public Utilities Department (County) is pleased to provide the analytical data for your domestic supply well which was sampled on February 18, 2013. All parameters are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320), respectively.

If you have any questions on the analysis, you may call me at 663-3222. Thank you for your permission to test this well.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael D. Townsel", is written over a circular blue scribble.

Michael D. Townsel 4/30/13
Senior Hydrologist
Public Utilities Department
Environmental Services

xc: Irene Barnes, Southeast Hillsborough Civic Association
Brian Miller, Hillsborough County Health Department
David S. Adams, P.G., Public Utilities

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: 660-52743-1

Client Project/Site: Southeast Monitoring Program

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:
3/8/2013 5:07:18 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



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www.testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-52743-1	3C2	Surface Water	02/18/13 12:45	02/18/13 15:45
660-52743-2	MINE CUT 1D	Surface Water	02/18/13 13:20	02/18/13 15:45
660-52743-3	BLANK EQUIPMENT-Surface water	Ground Water	02/18/13 12:35	02/18/13 15:45
660-52743-4	KEEN JR	Ground Water	02/18/13 14:29	02/18/13 15:45
660-52743-5	BARNES	Ground Water	02/18/13 11:34	02/18/13 15:45
660-52743-6	HOLLAND	Ground Water	02/18/13 10:59	02/18/13 15:45
660-52743-7	WEEKS	Ground Water	02/18/13 10:09	02/18/13 15:45
660-52743-8	BLANK EQUIPMENT 52743	Ground Water	02/18/13 09:45	02/18/13 15:45
660-52743-9	BLANK TRAVEL 52743	Water	02/18/13 09:43	02/18/13 15:45
660-52765-1	TH-19	Ground Water	02/19/13 11:42	02/19/13 16:00
660-52765-2	DUPLICATE NOT BLANK	Ground Water	02/19/13 00:00	02/19/13 16:00
660-52765-3	TH-71A	Ground Water	02/19/13 10:34	02/19/13 16:00
660-52765-4	TH-70A	Ground Water	02/19/13 11:06	02/19/13 16:00
660-52765-5	TH-69A	Ground Water	02/19/13 10:02	02/19/13 16:00
660-52765-6	TH-36A	Ground Water	02/19/13 12:22	02/19/13 16:00
660-52765-7	TH-40	Ground Water	02/19/13 14:48	02/19/13 16:00
660-52765-8	TH-68	Ground Water	02/19/13 13:06	02/19/13 16:00
660-52765-9	TH-64	Ground Water	02/19/13 13:34	02/19/13 16:00
660-52765-10	TH-61A	Ground Water	02/19/13 14:05	02/19/13 16:00
660-52765-11	BLANK EQUIPMENT 52765	Ground Water	02/19/13 09:30	02/19/13 16:00
660-52765-12	BLANK TRAVEL 52765	Water	02/19/13 09:27	02/19/13 16:00
660-52811-1	TH-65	Ground Water	02/20/13 10:16	02/20/13 18:00
660-52811-2	TH-66A	Ground Water	02/20/13 11:02	02/20/13 18:00
660-52811-3	TH-67	Ground Water	02/20/13 11:37	02/20/13 18:00
660-52811-4	TH-22A	Ground Water	02/20/13 12:25	02/20/13 18:00
660-52811-5	DUPLICATE NOT BLANK	Ground Water	02/20/13 00:00	02/20/13 18:00
660-52811-6	TH-57	Ground Water	02/20/13 13:04	02/20/13 18:00
660-52811-7	TH-28A	Ground Water	02/20/13 13:41	02/20/13 18:00
660-52811-8	TH-58	Ground Water	02/20/13 14:16	02/20/13 18:00
660-52811-9	BLANK TRAVEL 52811	Water	02/20/13 10:00	02/20/13 18:00

Case Narrative

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Job ID: 660-52743-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative 660-52743-1

Comments

No additional comments.

Receipt

The samples were received on 2/18/2013 3:45 PM, 2/19/2013 4:00 PM and 2/20/2013 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 9 coolers at receipt time were 0.5° C, 0.6° C, 0.6° C, 1.7° C, 2.5° C, 2.8° C, 3.3° C, 3.9° C and 4.4° C.

GC/MS VOA

Method 8260B: The laboratory control samples (LCS) and matrix spikes for batch 134741 and 134832 exceeded control limits for Bromomethane. 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.

No other analytical or quality issues were noted.

GC Semi VOA

Method 8011: Surrogate recovery for the following sample was outside the upper control limit: MINE CUT 1D (660-52743-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The sample is flagged with J1.

No other analytical or quality issues were noted.

Metals

Method A: Due to the high concentration of sodium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 267417 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 267533 were outside control limits. 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 267534 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 134759 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.

Definitions/Glossary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Qualifiers

GC/MS 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.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.

Metals

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

General Chemistry

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Biology

Qualifier	Qualifier Description
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.
α	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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: 3C2

Lab Sample ID: 660-52743-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.5		5.0	1.3	ug/L		1	6020A	Total
Iron	120		100	33	ug/L		1	6020A	Recoverable Total
Hardness as calcium carbonate	82		3.3	3.3	mg/L		1	SM 2340B	Recoverable Total/NA
Phosphorus, Total	0.39		0.10	0.041	mg/L		1	365.4	Total/NA
Chlorophyll a	0.53		0.50	0.50	ug/L		1	SM 10200H	Total/NA
Total Dissolved Solids	180		5.0	5.0	mg/L		1	SM 2540C	Total/NA
Total Suspended Solids	1.2		1.0	1.0	mg/L		1	SM 2540D	Total/NA
Chemical Oxygen Demand	26		20	6.3	mg/L		1	SM 5220D	Total/NA
Total Organic Carbon	12		4.0	1.4	mg/L		4	SM 5310C	Total/NA
Nitrogen, Total	0.37	I	0.70	0.22	mg/L		1	Total Nitrogen	Total/NA
Unionized Ammonia	0.00026		0.000017	0.000017	mg/L		1	UnionizedNH3	Total/NA
Coliform, Fecal	350		10	10	MPN/100mL		10	SM 9222D	Total/NA
Field pH	7.19				SU		1	Field Sampling	Total/NA
Field Temperature	11.7				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	10.5				mg/L		1	Field Sampling	Total/NA
Specific Conductance	254				umhos/cm		1	Field Sampling	Total/NA
Turbidity	1.06				NTU		1	Field Sampling	Total/NA

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	3.2	I	5.0	1.3	ug/L		1	6020A	Total
Iron	87	I	100	33	ug/L		1	6020A	Recoverable Total
Hardness as calcium carbonate	140		3.3	3.3	mg/L		1	SM 2340B	Recoverable Total/NA
Phosphorus, Total	2.6		0.10	0.041	mg/L		1	365.4	Total/NA
Biochemical Oxygen Demand	7.6		2.0	2.0	mg/L		1	5210B	Total/NA
Chlorophyll a	72		0.50	0.50	ug/L		1	SM 10200H	Total/NA
Total Dissolved Solids	350		10	10	mg/L		1	SM 2540C	Total/NA
Total Suspended Solids	28		1.6	1.6	mg/L		1	SM 2540D	Total/NA
Chemical Oxygen Demand	61		20	6.3	mg/L		1	SM 5220D	Total/NA
Total Organic Carbon	22		5.0	1.8	mg/L		5	SM 5310C	Total/NA
Nitrogen, Total	3.4		0.70	0.22	mg/L		1	Total Nitrogen	Total/NA
Unionized Ammonia	0.000097		0.000017	0.000017	mg/L		1	UnionizedNH3	Total/NA
Coliform, Fecal	20		10	10	MPN/100mL		10	SM 9222D	Total/NA
Field pH	6.98				SU		1	Field Sampling	Total/NA
Field Temperature	15.7				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	7.95				mg/L		1	Field Sampling	Total/NA
Specific Conductance	488				umhos/cm		1	Field Sampling	Total/NA
Turbidity	12.3				NTU		1	Field Sampling	Total/NA

Client Sample ID: BLANK EQUIPMENT-Surface water

Lab Sample ID: 660-52743-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorophyll a	0.50	U	0.50	0.50	ug/L		1	SM 10200H	Total/NA

Client Sample ID: KEEN JR

Lab Sample ID: 660-52743-4

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: KEEN JR (Continued)

Lab Sample ID: 660-52743-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	4.2	I	5.0	1.3	ug/L			1	6020A	Total Recoverable
Sodium	7.0		0.50	0.25	mg/L			1	6020A	Total Recoverable
Zinc	15	I	20	8.3	ug/L			1	6020A	Total Recoverable
Chloride	11		1.0	0.20	mg/L			1	300.0	Total/NA
Ammonia as N	0.21		0.050	0.026	mg/L			1	350.1	Total/NA
Total Dissolved Solids	220		5.0	5.0	mg/L			1	SM 2540C	Total/NA
Total Organic Carbon	1.4		1.0	0.35	mg/L			1	SM 5310C	Total/NA
Field pH	7.45				SU			1	Field Sampling	Total/NA
Field Temperature	25.0				Degrees C			1	Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L			1	Field Sampling	Total/NA
Specific Conductance	359				umhos/cm			1	Field Sampling	Total/NA
Turbidity	0.21				NTU			1	Field Sampling	Total/NA

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	4.5	I	5.0	1.3	ug/L			1	6020A	Total Recoverable
Copper	2.2	I	5.0	1.1	ug/L			1	6020A	Total Recoverable
Iron	38	I	100	33	ug/L			1	6020A	Total Recoverable
Lead	1.9		1.5	0.20	ug/L			1	6020A	Total Recoverable
Sodium	14		0.50	0.25	mg/L			1	6020A	Total Recoverable
Zinc	200		20	8.3	ug/L			1	6020A	Total Recoverable
Chloride	7.6		1.0	0.20	mg/L			1	300.0	Total/NA
Ammonia as N	0.12	J3	0.050	0.026	mg/L			1	350.1	Total/NA
Nitrate as N	0.15	I	0.50	0.10	mg/L			1	353.2	Total/NA
Total Dissolved Solids	230		5.0	5.0	mg/L			1	SM 2540C	Total/NA
Total Organic Carbon	1.8		1.0	0.35	mg/L			1	SM 5310C	Total/NA
Field pH	7.25				SU			1	Field Sampling	Total/NA
Field Temperature	19.2				Degrees C			1	Field Sampling	Total/NA
Oxygen, Dissolved	2.99				mg/L			1	Field Sampling	Total/NA
Specific Conductance	367				umhos/cm			1	Field Sampling	Total/NA
Turbidity	0.79				NTU			1	Field Sampling	Total/NA

Client Sample ID: HOLLAND

Lab Sample ID: 660-52743-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	4.1	I	5.0	1.3	ug/L			1	6020A	Total Recoverable
Iron	2000		100	33	ug/L			1	6020A	Total Recoverable
Lead	0.34	I	1.5	0.20	ug/L			1	6020A	Total Recoverable
Nickel	5.2		5.0	2.0	ug/L			1	6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: HOLLAND (Continued)

Lab Sample ID: 660-52743-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	4.9		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	44		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	20		1.0	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.081	J3	0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	2.8		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.3		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	7.04				SU	1		Field Sampling	Total/NA
Field Temperature	22.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.11				mg/L	1		Field Sampling	Total/NA
Specific Conductance	413				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.31				NTU	1		Field Sampling	Total/NA

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.9		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	4.4	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Copper	15		5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	690		100	33	ug/L	1		6020A	Total Recoverable
Lead	1.9		1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	7.8		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	110		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	29		1.0	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.14		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	300		10	10	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.8		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	6.79				SU	1		Field Sampling	Total/NA
Field Temperature	23.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.11				mg/L	1		Field Sampling	Total/NA
Specific Conductance	536				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.21				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK EQUIPMENT 52743

Lab Sample ID: 660-52743-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.51		0.50	0.25	mg/L	1		6020A	Total Recoverable

Client Sample ID: BLANK TRAVEL 52743

Lab Sample ID: 660-52743-9

No Detections

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-19

Lab Sample ID: 660-52765-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.0		5.0	1.3	ug/L	1		6020A	Total Recoverable
Sodium	12		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	7.6		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.37		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	240		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	7.18				SU	1		Field Sampling	Total/NA
Field Temperature	23.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.79				mg/L	1		Field Sampling	Total/NA
Specific Conductance	360				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.26				NTU	1		Field Sampling	Total/NA

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52765-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.0		5.0	1.3	ug/L	1		6020A	Total Recoverable
Sodium	12		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	7.5		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.40		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-71A

Lab Sample ID: 660-52765-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.4		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	23		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.21	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Cobalt	1.4		0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	23000		100	33	ug/L	1		6020A	Total Recoverable
Lead	2.0		1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	4.5	I	5.0	2.0	ug/L	1		6020A	Total Recoverable
Sodium	7.9		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	5.3	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	100		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	2.3		0.10	0.052	mg/L	2		350.1	Total/NA
Total Dissolved Solids	530		17	17	mg/L	1		SM 2540C	Total/NA
Field pH	6.09				SU	1		Field Sampling	Total/NA
Field Temperature	24.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	815				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.90				NTU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-70A

Lab Sample ID: 660-52765-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		2.5	1.3	ug/L		1	6020A	Total Recoverable
Barium	5.0		5.0	1.3	ug/L		1	6020A	Total Recoverable
Cobalt	0.18	I	0.50	0.15	ug/L		1	6020A	Total Recoverable
Iron	13000		100	33	ug/L		1	6020A	Total Recoverable
Sodium	7.5		0.50	0.25	mg/L		1	6020A	Total Recoverable
Chloride	29		5.0	1.0	mg/L		5	300.0	Total/NA
Ammonia as N	1.1		0.050	0.026	mg/L		1	350.1	Total/NA
Nitrate as N	0.21	I	0.50	0.10	mg/L		1	353.2	Total/NA
Total Dissolved Solids	280		10	10	mg/L		1	SM 2540C	Total/NA
Field pH	6.17				SU		1	Field Sampling	Total/NA
Field Temperature	25.3				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	1.06				mg/L		1	Field Sampling	Total/NA
Specific Conductance	416				umhos/cm		1	Field Sampling	Total/NA
Turbidity	22.2				NTU		1	Field Sampling	Total/NA

Client Sample ID: TH-69A

Lab Sample ID: 660-52765-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	9.2		5.0	1.3	ug/L		1	6020A	Total Recoverable
Iron	9100		100	33	ug/L		1	6020A	Total Recoverable
Lead	0.24	I	1.5	0.20	ug/L		1	6020A	Total Recoverable
Sodium	25		0.50	0.25	mg/L		1	6020A	Total Recoverable
Chloride	190		5.0	1.0	mg/L		5	300.0	Total/NA
Ammonia as N	0.77		0.050	0.026	mg/L		1	350.1	Total/NA
Total Dissolved Solids	800		17	17	mg/L		1	SM 2540C	Total/NA
Field pH	5.80				SU		1	Field Sampling	Total/NA
Field Temperature	24.9				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	0.38				mg/L		1	Field Sampling	Total/NA
Specific Conductance	892				umhos/cm		1	Field Sampling	Total/NA
Turbidity	2.43				NTU		1	Field Sampling	Total/NA

Client Sample ID: TH-36A

Lab Sample ID: 660-52765-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.7	I	2.5	1.3	ug/L		1	6020A	Total Recoverable
Barium	6.6		5.0	1.3	ug/L		1	6020A	Total Recoverable
Iron	180		100	33	ug/L		1	6020A	Total Recoverable
Lead	0.48	I	1.5	0.20	ug/L		1	6020A	Total Recoverable
Sodium	3.6		0.50	0.25	mg/L		1	6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-36A (Continued)

Lab Sample ID: 660-52765-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	8.1	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	2.8	I	5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.28		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.58				SU	1		Field Sampling	Total/NA
Field Temperature	25.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.59				mg/L	1		Field Sampling	Total/NA
Specific Conductance	147				umhos/cm	1		Field Sampling	Total/NA
Turbidity	6.85				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-40

Lab Sample ID: 660-52765-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.3		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	49	I	100	33	ug/L	1		6020A	Total Recoverable
Sodium	15		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	7.5		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.30		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	7.16				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.55				mg/L	1		Field Sampling	Total/NA
Specific Conductance	326				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.33				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-68

Lab Sample ID: 660-52765-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	10		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.14	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Chromium	2.7	I	5.0	2.5	ug/L	1		6020A	Total Recoverable
Copper	1.9	I	5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	410		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.53	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Selenium	1.1	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	8.4		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	4.1	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	23		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.12		0.050	0.026	mg/L	1		350.1	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-68 (Continued)

Lab Sample ID: 660-52765-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	230		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.43				SU	1		Field Sampling	Total/NA
Field Temperature	25.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.57				mg/L	1		Field Sampling	Total/NA
Specific Conductance	235				umhos/cm	1		Field Sampling	Total/NA
Turbidity	17.1				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-64

Lab Sample ID: 660-52765-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.5	I	2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	67		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.26	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Chromium	3.5	I	5.0	2.5	ug/L	1		6020A	Total Recoverable
Cobalt	0.15	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	680		100	33	ug/L	1		6020A	Total Recoverable
Lead	1.9		1.5	0.20	ug/L	1		6020A	Total Recoverable
Selenium	1.7	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	8.4		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	8.4	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	18		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.25		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.90				SU	1		Field Sampling	Total/NA
Field Temperature	25.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.25				mg/L	1		Field Sampling	Total/NA
Specific Conductance	266				umhos/cm	1		Field Sampling	Total/NA
Turbidity	12.9				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-61A

Lab Sample ID: 660-52765-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.1	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	360		100	33	ug/L	1		6020A	Total Recoverable
Sodium	3.4		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	15		10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	6.8		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.28		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	160		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.61				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-61A (Continued)

Lab Sample ID: 660-52765-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	24.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.92				mg/L	1		Field Sampling	Total/NA
Specific Conductance	191				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.10				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK EQUIPMENT 52765

Lab Sample ID: 660-52765-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.69		0.50	0.25	mg/L	1		6020A	Total Recoverable

Client Sample ID: BLANK TRAVEL 52765

Lab Sample ID: 660-52765-12

No Detections

Client Sample ID: TH-65

Lab Sample ID: 660-52811-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.2		2.5	1.3	ug/L	1		6020A	Total Recoverable
Chromium	2.6	I	5.0	2.5	ug/L	1		6020A	Total Recoverable
Cobalt	0.84		0.50	0.15	ug/L	1		6020A	Total Recoverable
Copper	1.3	I	5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	2200		100	33	ug/L	1		6020A	Total Recoverable
Selenium	1.5	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	14		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	5.9	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	16		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	1.4		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.09				SU	1		Field Sampling	Total/NA
Field Temperature	23.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.34				mg/L	1		Field Sampling	Total/NA
Specific Conductance	281				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.64				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-66A

Lab Sample ID: 660-52811-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.9		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	1.9	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	1.2		0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	1400		100	33	ug/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-66A (Continued)

Lab Sample ID: 660-52811-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	1.8	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	8.9		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	27		10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	24		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.29		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.80				SU	1		Field Sampling	Total/NA
Field Temperature	22.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.71				mg/L	1		Field Sampling	Total/NA
Specific Conductance	360				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.91				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-67

Lab Sample ID: 660-52811-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.9	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.11	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Cobalt	0.38	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	9400		100	33	ug/L	1		6020A	Total Recoverable
Nickel	2.3	I	5.0	2.0	ug/L	1		6020A	Total Recoverable
Sodium	27		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	5.9	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	41		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	1.4		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	350		17	17	mg/L	1		SM 2540C	Total/NA
Field pH	6.25				SU	1		Field Sampling	Total/NA
Field Temperature	22.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.81				mg/L	1		Field Sampling	Total/NA
Specific Conductance	684				umhos/cm	1		Field Sampling	Total/NA
Turbidity	13.9				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-22A

Lab Sample ID: 660-52811-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	61		5.0	1.3	ug/L	1		6020A	Total Recoverable
Chromium	4.3	I	5.0	2.5	ug/L	1		6020A	Total Recoverable
Copper	1.1	I	5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	430		100	33	ug/L	1		6020A	Total Recoverable
Lead	1.1	I	1.5	0.20	ug/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-22A (Continued)

Lab Sample ID: 660-52811-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	4.1		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	13		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.57		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.32				SU	1		Field Sampling	Total/NA
Field Temperature	21.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.44				mg/L	1		Field Sampling	Total/NA
Specific Conductance	239				umhos/cm	1		Field Sampling	Total/NA
Turbidity	16.7				NTU	1		Field Sampling	Total/NA

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52811-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.2		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	400		100	33	ug/L	1		6020A	Total Recoverable
Sodium	12		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	29		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	0.94		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	100		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-57

Lab Sample ID: 660-52811-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.2		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	370		100	33	ug/L	1		6020A	Total Recoverable
Sodium	11		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	29		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	1.1		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	90		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.99				SU	1		Field Sampling	Total/NA
Field Temperature	26.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.14				mg/L	1		Field Sampling	Total/NA
Specific Conductance	186				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.67				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-28A

Lab Sample ID: 660-52811-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.3	I	2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	1.8	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.34	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	3900		100	33	ug/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-28A (Continued)

Lab Sample ID: 660-52811-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	25		0.50	0.25	mg/L	1		6020A	Total
Chloride	67		5.0	1.0	mg/L	5		300.0	Recoverable Total/NA
Ammonia as N	2.8		0.10	0.052	mg/L	2		350.1	Total/NA
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.01				SU	1		Field Sampling	Total/NA
Field Temperature	26.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.71				mg/L	1		Field Sampling	Total/NA
Specific Conductance	334				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.46				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-58

Lab Sample ID: 660-52811-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	28		2.5	1.3	ug/L	1		6020A	Total
Barium	19		5.0	1.3	ug/L	1		6020A	Recoverable Total
Chromium	4.5	I	5.0	2.5	ug/L	1		6020A	Recoverable Total
Cobalt	0.24	I	0.50	0.15	ug/L	1		6020A	Recoverable Total
Iron	3800		100	33	ug/L	1		6020A	Recoverable Total
Lead	0.20	I	1.5	0.20	ug/L	1		6020A	Recoverable Total
Selenium	1.4	I	2.5	1.0	ug/L	1		6020A	Recoverable Total
Sodium	20		0.50	0.25	mg/L	1		6020A	Recoverable Total
Vanadium	6.5	I	10	3.8	ug/L	1		6020A	Recoverable Total
Chloride	28		5.0	1.0	mg/L	5		300.0	Total/NA
Ammonia as N	1.1		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	180		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.16				SU	1		Field Sampling	Total/NA
Field Temperature	25.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	7.28				mg/L	1		Field Sampling	Total/NA
Specific Conductance	494				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.81				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK TRAVEL 52811

Lab Sample ID: 660-52811-9

No Detections

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: 3C2

Lab Sample ID: 660-52743-1

Date Collected: 02/18/13 12:45

Matrix: Surface Water

Date Received: 02/18/13 15:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 14:56	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 14:56	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 14:56	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 14:56	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 14:56	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 14:56	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 14:56	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 14:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 14:56	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 14:56	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 14:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:56	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 14:56	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 14:56	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 14:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:56	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 14:56	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 14:56	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:56	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 14:56	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 14:56	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 14:56	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 14:56	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 14:56	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:56	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 14:56	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 14:56	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 14:56	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 14:56	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 14:56	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 14:56	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:56	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 14:56	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 14:56	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 14:56	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:56	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 14:56	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 14:56	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:56	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:56	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 14:56	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 14:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 14:56	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/21/13 14:56	1
Dibromofluoromethane	107		70 - 130		02/21/13 14:56	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: 3C2

Lab Sample ID: 660-52743-1

Date Collected: 02/18/13 12:45

Matrix: Surface Water

Date Received: 02/18/13 15:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 14:56	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0021	U	0.019	0.0021	ug/L		02/20/13 16:22	02/20/13 23:58	1
1,2-Dibromo-3-Chloropropane	0.0048	U	0.019	0.0048	ug/L		02/20/13 16:22	02/20/13 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	116		60 - 144	02/20/13 16:22	02/20/13 23:58	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 15:44	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 21:14	1
Barium	5.5		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 21:14	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 15:44	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 21:14	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 21:14	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 21:14	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 21:14	1
Iron	120		100	33	ug/L		02/26/13 07:49	02/26/13 21:14	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 21:14	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 21:14	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 21:14	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 21:14	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 21:14	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 21:14	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 21:14	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:14	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	82		3.3	3.3	mg/L			02/26/13 21:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Phosphorus, Total	0.39		0.10	0.041	mg/L		02/20/13 11:00	02/21/13 14:42	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/19/13 08:35	1
Chlorophyll a	0.53		0.50	0.50	ug/L			02/25/13 15:45	1
Total Dissolved Solids	180		5.0	5.0	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.2		1.0	1.0	mg/L			02/25/13 07:02	1
Chemical Oxygen Demand	26		20	6.3	mg/L			02/26/13 13:07	1
Total Organic Carbon	12		4.0	1.4	mg/L			02/20/13 19:56	4
Nitrogen, Total	0.37	I	0.70	0.22	mg/L			02/26/13 08:42	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: 3C2

Lab Sample ID: 660-52743-1

Date Collected: 02/18/13 12:45

Matrix: Surface Water

Date Received: 02/18/13 15:45

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Unionized Ammonia	0.00026		0.000017	0.000017	mg/L			02/27/13 13:24	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	350		10	10	MPN/100mL			02/18/13 16:40	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.19				SU			02/18/13 12:45	1
Field Temperature	11.7				Degrees C			02/18/13 12:45	1
Oxygen, Dissolved	10.5				mg/L			02/18/13 12:45	1
Specific Conductance	254				umhos/cm			02/18/13 12:45	1
Turbidity	1.06				NTU			02/18/13 12:45	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Date Collected: 02/18/13 13:20

Matrix: Surface Water

Date Received: 02/18/13 15:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 14:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 14:33	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 14:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 14:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 14:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 14:33	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 14:33	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 14:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 14:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 14:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 14:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 14:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 14:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 14:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 14:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 14:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 14:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 14:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 14:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 14:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 14:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 14:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 14:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 14:33	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 14:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 14:33	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 14:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:33	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 14:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 14:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 14:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 14:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 14:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 14:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 14:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 14:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		70 - 130		02/21/13 14:33	1
Dibromofluoromethane	111		70 - 130		02/21/13 14:33	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Date Collected: 02/18/13 13:20

Matrix: Surface Water

Date Received: 02/18/13 15:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 14:33	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:06	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/20/13 16:22	02/21/13 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	150	J1	60 - 144	02/20/13 16:22	02/21/13 00:06	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 15:48	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 21:21	1
Barium	3.2	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 21:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 15:48	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 21:21	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 21:21	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 21:21	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 21:21	1
Iron	87	I	100	33	ug/L		02/26/13 07:49	02/26/13 21:21	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 21:21	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 21:21	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 21:21	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 21:21	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 21:21	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 21:21	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 21:21	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:16	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	140		3.3	3.3	mg/L			02/26/13 21:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Phosphorus, Total	2.6		0.10	0.041	mg/L		02/20/13 11:00	02/21/13 14:48	1
Biochemical Oxygen Demand	7.6		2.0	2.0	mg/L			02/19/13 08:35	1
Chlorophyll a	72		0.50	0.50	ug/L			02/25/13 15:45	1
Total Dissolved Solids	350		10	10	mg/L			02/22/13 07:13	1
Total Suspended Solids	28		1.6	1.6	mg/L			02/25/13 07:02	1
Chemical Oxygen Demand	61		20	6.3	mg/L			02/26/13 13:07	1
Total Organic Carbon	22		5.0	1.8	mg/L			02/20/13 20:49	5
Nitrogen, Total	3.4		0.70	0.22	mg/L			02/26/13 08:42	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Date Collected: 02/18/13 13:20

Matrix: Surface Water

Date Received: 02/18/13 15:45

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Unionized Ammonia	0.000097		0.000017	0.000017	mg/L			02/27/13 13:24	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	20		10	10	MPN/100mL			02/18/13 16:40	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			02/18/13 13:20	1
Field Temperature	15.7				Degrees C			02/18/13 13:20	1
Oxygen, Dissolved	7.95				mg/L			02/18/13 13:20	1
Specific Conductance	488				umhos/cm			02/18/13 13:20	1
Turbidity	12.3				NTU			02/18/13 13:20	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT-Surface water

Lab Sample ID: 660-52743-3

Date Collected: 02/18/13 12:35

Matrix: Ground Water

Date Received: 02/18/13 15:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 12:41	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 12:41	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 12:41	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 12:41	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 12:41	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 12:41	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 12:41	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 12:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 12:41	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 12:41	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 12:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 12:41	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 12:41	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 12:41	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 12:41	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 12:41	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 12:41	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 12:41	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 12:41	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 12:41	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 12:41	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 12:41	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 12:41	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 12:41	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 12:41	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 12:41	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 12:41	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 12:41	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 12:41	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 12:41	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 12:41	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 12:41	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 12:41	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 12:41	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 12:41	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 12:41	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 12:41	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 12:41	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 12:41	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 12:41	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 12:41	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 12:41	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 12:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 12:41	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 12:41	1
Dibromofluoromethane	106		70 - 130		02/21/13 12:41	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT-Surface water

Lab Sample ID: 660-52743-3

Date Collected: 02/18/13 12:35

Matrix: Ground Water

Date Received: 02/18/13 15:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/21/13 12:41	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:15	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		02/20/13 16:22	02/21/13 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	133		60 - 144	02/20/13 16:22	02/21/13 00:15	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 15:52	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 21:27	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 21:27	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 15:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 21:27	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 21:27	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 21:27	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 21:27	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 21:27	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 21:27	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 21:27	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 21:27	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 21:27	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 21:27	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 21:27	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 21:27	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:19	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	3.3	U	3.3	3.3	mg/L			02/26/13 21:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Phosphorus, Total	0.041	U	0.10	0.041	mg/L		02/20/13 11:00	02/21/13 14:38	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/19/13 08:35	1
Chlorophyll a	0.50	U	0.50	0.50	ug/L			02/25/13 15:45	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1
Chemical Oxygen Demand	6.3	U	20	6.3	mg/L			02/26/13 13:07	1
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/20/13 21:26	1
Nitrogen, Total	0.22	U	0.70	0.22	mg/L			02/26/13 08:42	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT-Surface water

Lab Sample ID: 660-52743-3

Date Collected: 02/18/13 12:35

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1.0	U	1.0	1.0	MPN/100mL			02/18/13 16:40	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: KEEN JR

Lab Sample ID: 660-52743-4

Date Collected: 02/18/13 14:29

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 10:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 10:48	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 10:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 10:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 10:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 10:48	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 10:48	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 10:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 10:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 10:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 10:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 10:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 10:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 10:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 10:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 10:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 10:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 10:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 10:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 10:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 10:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 10:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 10:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 10:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 10:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 10:48	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 10:48	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 10:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 10:48	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 10:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 10:48	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 10:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 10:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 10:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 10:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 10:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 10:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 10:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 10:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 10:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 10:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 10:48	1
Dibromofluoromethane	105		70 - 130		02/21/13 10:48	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: KEEN JR

Lab Sample ID: 660-52743-4

Date Collected: 02/18/13 14:29

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 10:48	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:23	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/20/13 16:22	02/21/13 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	121		60 - 144	02/20/13 16:22	02/21/13 00:23	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:04	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 21:48	1
Barium	4.2	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 21:48	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:04	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 21:48	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 21:48	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 21:48	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 21:48	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 21:48	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 21:48	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 21:48	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 21:48	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 21:48	1
Sodium	7.0		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 21:48	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 21:48	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 21:48	1
Zinc	15	I	20	8.3	ug/L		02/26/13 07:49	02/26/13 21:48	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.20	mg/L			02/26/13 11:18	1
Ammonia as N	0.21		0.050	0.026	mg/L			02/26/13 13:01	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Total Dissolved Solids	220		5.0	5.0	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1
Total Organic Carbon	1.4		1.0	0.35	mg/L			02/20/13 21:38	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	4.0+ -1.1				pCi/L		02/28/13 08:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: KEEN JR

Lab Sample ID: 660-52743-4

Date Collected: 02/18/13 14:29

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.6+0.7				pCi/L		02/24/13 11:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6+0.9				pCi/L		03/01/13 09:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.45				SU			02/18/13 14:29	1
Field Temperature	25.0				Degrees C			02/18/13 14:29	1
Oxygen, Dissolved	0.21				mg/L			02/18/13 14:29	1
Specific Conductance	359				umhos/cm			02/18/13 14:29	1
Turbidity	0.21				NTU			02/18/13 14:29	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Date Collected: 02/18/13 11:34

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 11:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 11:33	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 11:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 11:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 11:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 11:33	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 11:33	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 11:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 11:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 11:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 11:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 11:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 11:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 11:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 11:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 11:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 11:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 11:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 11:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 11:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 11:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 11:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 11:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 11:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 11:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 11:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 11:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 11:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 11:33	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 11:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 11:33	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 11:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 11:33	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 11:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 11:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 11:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 11:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 11:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 11:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 11:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 11:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 11:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 11:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 11:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 11:33	1
Dibromofluoromethane	107		70 - 130		02/21/13 11:33	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Date Collected: 02/18/13 11:34

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 11:33	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:32	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		02/20/13 16:22	02/21/13 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	118		60 - 144	02/20/13 16:22	02/21/13 00:32	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:08	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 21:54	1
Barium	4.5	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 21:54	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:08	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 21:54	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 21:54	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 21:54	1
Copper	2.2	I	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 21:54	1
Iron	38	I	100	33	ug/L		02/26/13 07:49	02/26/13 21:54	1
Lead	1.9		1.5	0.20	ug/L		02/26/13 07:49	02/26/13 21:54	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 21:54	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 21:54	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 21:54	1
Sodium	14		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 21:54	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 21:54	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 21:54	1
Zinc	200		20	8.3	ug/L		02/26/13 07:49	02/26/13 21:54	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.6		1.0	0.20	mg/L			02/26/13 11:55	1
Ammonia as N	0.12	J3	0.050	0.026	mg/L			02/26/13 13:10	1
Nitrate as N	0.15	I	0.50	0.10	mg/L			02/20/13 07:15	1
Total Dissolved Solids	230		5.0	5.0	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1
Total Organic Carbon	1.8		1.0	0.35	mg/L			02/20/13 21:51	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	4.8+/-1.2				pCi/L		02/28/13 08:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Date Collected: 02/18/13 11:34

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.3+0.9				pCi/L		02/24/13 11:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1+0.7				pCi/L		03/01/13 09:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.25				SU			02/18/13 11:34	1
Field Temperature	19.2				Degrees C			02/18/13 11:34	1
Oxygen, Dissolved	2.99				mg/L			02/18/13 11:34	1
Specific Conductance	367				umhos/cm			02/18/13 11:34	1
Turbidity	0.79				NTU			02/18/13 11:34	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: HOLLAND

Lab Sample ID: 660-52743-6

Date Collected: 02/18/13 10:59

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 14:11	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 14:11	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 14:11	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 14:11	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 14:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 14:11	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 14:11	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 14:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 14:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 14:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 14:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:11	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 14:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 14:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 14:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:11	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 14:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 14:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 14:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 14:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 14:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 14:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 14:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 14:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 14:11	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 14:11	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 14:11	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 14:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 14:11	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 14:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:11	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 14:11	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 14:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 14:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 14:11	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 14:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 14:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 14:11	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 14:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 14:11	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 14:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 14:11	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 14:11	1
Dibromofluoromethane	105		70 - 130		02/21/13 14:11	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: HOLLAND

Lab Sample ID: 660-52743-6

Date Collected: 02/18/13 10:59

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/21/13 14:11	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:40	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		02/20/13 16:22	02/21/13 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	127		60 - 144	02/20/13 16:22	02/21/13 00:40	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:12	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:01	1
Barium	4.1	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:01	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:12	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:01	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:01	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:01	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:01	1
Iron	2000		100	33	ug/L		02/26/13 07:49	02/26/13 22:01	1
Lead	0.34	I	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:01	1
Nickel	5.2		5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:01	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:01	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:01	1
Sodium	4.9		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:01	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:01	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:01	1
Zinc	44		20	8.3	ug/L		02/26/13 07:49	02/26/13 22:01	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20		1.0	0.20	mg/L			02/26/13 12:08	1
Ammonia as N	0.081	J3	0.050	0.026	mg/L			02/26/13 13:11	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Total Dissolved Solids	260		10	10	mg/L			02/22/13 07:13	1
Total Suspended Solids	2.8		1.0	1.0	mg/L			02/25/13 07:02	1
Total Organic Carbon	1.3		1.0	0.35	mg/L			02/20/13 22:03	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	3.5+ -1.0				pCi/L		02/28/13 08:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: HOLLAND

Lab Sample ID: 660-52743-6

Date Collected: 02/18/13 10:59

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.9+0.7				pCi/L		02/24/13 11:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.1+0.8				pCi/L		03/01/13 09:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.04				SU			02/18/13 10:59	1
Field Temperature	22.2				Degrees C			02/18/13 10:59	1
Oxygen, Dissolved	0.11				mg/L			02/18/13 10:59	1
Specific Conductance	413				umhos/cm			02/18/13 10:59	1
Turbidity	0.31				NTU			02/18/13 10:59	1



Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Date Collected: 02/18/13 10:09

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 13:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 13:48	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 13:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 13:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 13:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 13:48	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 13:48	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 13:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 13:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 13:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 13:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 13:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 13:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 13:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 13:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 13:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 13:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 13:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 13:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 13:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 13:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 13:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 13:48	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 13:48	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 13:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 13:48	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 13:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:48	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 13:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 13:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 13:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 13:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 13:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 13:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 13:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 13:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		02/21/13 13:48	1
Dibromofluoromethane	102		70 - 130		02/21/13 13:48	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Date Collected: 02/18/13 10:09

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/21/13 13:48	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 00:49	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/20/13 16:22	02/21/13 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	122		60 - 144	02/20/13 16:22	02/21/13 00:49	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:16	1
Arsenic	4.9		2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:08	1
Barium	4.4	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:08	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:16	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:08	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:08	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:08	1
Copper	15		5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:08	1
Iron	690		100	33	ug/L		02/26/13 07:49	02/26/13 22:08	1
Lead	1.9		1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:08	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:08	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:08	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:08	1
Sodium	7.8		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:08	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:08	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:08	1
Zinc	110		20	8.3	ug/L		02/26/13 07:49	02/26/13 22:08	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		1.0	0.20	mg/L			02/26/13 12:20	1
Ammonia as N	0.14		0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Total Dissolved Solids	300		10	10	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1
Total Organic Carbon	2.8		1.0	0.35	mg/L			02/20/13 22:16	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	19.6+2.5				pCi/L		02/28/13 08:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Date Collected: 02/18/13 10:09

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.9+-1.7				pCi/L		02/24/13 11:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0+-0.7				pCi/L		03/01/13 09:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.79				SU			02/18/13 10:09	1
Field Temperature	23.2				Degrees C			02/18/13 10:09	1
Oxygen, Dissolved	1.11				mg/L			02/18/13 10:09	1
Specific Conductance	536				umhos/cm			02/18/13 10:09	1
Turbidity	1.21				NTU			02/18/13 10:09	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT 52743

Lab Sample ID: 660-52743-8

Date Collected: 02/18/13 09:45

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 13:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 13:03	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 13:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 13:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 13:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 13:03	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 13:03	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 13:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 13:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 13:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 13:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 13:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 13:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 13:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:03	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 13:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 13:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 13:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 13:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 13:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 13:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 13:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 13:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 13:03	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 13:03	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 13:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 13:03	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 13:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:03	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 13:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 13:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 13:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 13:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 13:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 13:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 13:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 13:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		02/21/13 13:03	1
Dibromofluoromethane	102		70 - 130		02/21/13 13:03	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT 52743

Lab Sample ID: 660-52743-8

Date Collected: 02/18/13 09:45

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 13:03	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/21/13 01:49	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		02/20/13 16:22	02/21/13 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	123		60 - 144	02/20/13 16:22	02/21/13 01:49	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:20	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:14	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:14	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:20	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:14	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:14	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:14	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:14	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 22:14	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:14	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:14	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:14	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:14	1
Sodium	0.51		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:14	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:14	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:14	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:14	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 10:24	02/22/13 13:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	1.0	0.20	mg/L			02/26/13 12:32	1
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/22/13 07:13	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/20/13 22:27	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.2+0.4				pCi/L		02/28/13 08:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT 52743

Lab Sample ID: 660-52743-8

Date Collected: 02/18/13 09:45

Matrix: Ground Water

Date Received: 02/18/13 15:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1+0.3				pCi/L		02/24/13 11:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1+0.7				pCi/L		03/01/13 09:45	1

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Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52743

Lab Sample ID: 660-52743-9

Date Collected: 02/18/13 09:43

Matrix: Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 13:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 13:26	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 13:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 13:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 13:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 13:26	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 13:26	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 13:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 13:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 13:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 13:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:26	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 13:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 13:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 13:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 13:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 13:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:26	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 13:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 13:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 13:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 13:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 13:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 13:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 13:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 13:26	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 13:26	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 13:26	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 13:26	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 13:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:26	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 13:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 13:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 13:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 13:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 13:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 13:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 13:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 13:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 13:26	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 13:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 13:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		02/21/13 13:26	1
Dibromofluoromethane	103		70 - 130		02/21/13 13:26	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52743

Lab Sample ID: 660-52743-9

Date Collected: 02/18/13 09:43

Matrix: Water

Date Received: 02/18/13 15:45

Method: 8260B - VOC (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Toluene-d8 (Surr)	102		70 - 130		02/21/13 13:26	1

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Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-19

Lab Sample ID: 660-52765-1

Date Collected: 02/19/13 11:42

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 15:18	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 15:18	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 15:18	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 15:18	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 15:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 15:18	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 15:18	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 15:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 15:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 15:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 15:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 15:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 15:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 15:18	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 15:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 15:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 15:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 15:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 15:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 15:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 15:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 15:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 15:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 15:18	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 15:18	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 15:18	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 15:18	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 15:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 15:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 15:18	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 15:18	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 15:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 15:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 15:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 15:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 15:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 15:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:18	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 15:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 15:18	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 15:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 15:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		02/21/13 15:18	1
Dibromofluoromethane	105		70 - 130		02/21/13 15:18	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-19

Lab Sample ID: 660-52765-1

Date Collected: 02/19/13 11:42

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 15:18	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.020	0.0023	ug/L		03/04/13 17:06	03/04/13 23:22	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		03/04/13 17:06	03/04/13 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	114		60 - 144	03/04/13 17:06	03/04/13 23:22	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:24	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:21	1
Barium	5.0		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:24	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:21	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:21	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:21	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:21	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 22:21	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:21	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:21	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:21	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:21	1
Sodium	12		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:21	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:21	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:21	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:21	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.6		5.0	1.0	mg/L			02/26/13 03:50	5
Ammonia as N	0.37		0.050	0.026	mg/L			02/22/13 17:56	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	240		10	10	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.18				SU			02/19/13 11:42	1
Field Temperature	23.3				Degrees C			02/19/13 11:42	1
Oxygen, Dissolved	0.79				mg/L			02/19/13 11:42	1
Specific Conductance	360				umhos/cm			02/19/13 11:42	1
Turbidity	0.26				NTU			02/19/13 11:42	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52765-2

Date Collected: 02/19/13 00:00

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 15:41	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 15:41	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 15:41	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 15:41	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 15:41	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 15:41	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 15:41	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 15:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 15:41	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 15:41	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 15:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:41	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 15:41	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 15:41	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 15:41	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 15:41	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 15:41	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 15:41	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 15:41	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 15:41	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 15:41	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 15:41	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 15:41	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 15:41	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 15:41	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:41	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 15:41	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 15:41	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 15:41	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 15:41	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 15:41	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 15:41	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 15:41	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 15:41	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 15:41	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 15:41	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 15:41	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 15:41	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 15:41	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 15:41	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 15:41	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 15:41	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 15:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 15:41	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		02/21/13 15:41	1
Dibromofluoromethane	109		70 - 130		02/21/13 15:41	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52765-2

Date Collected: 02/19/13 00:00

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 15:41	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 23:31	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		03/04/13 17:06	03/04/13 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	111		60 - 144	03/04/13 17:06	03/04/13 23:31	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:28	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:28	1
Barium	5.0		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:28	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:28	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:28	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:28	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:28	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:28	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 22:28	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:28	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:28	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:28	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:28	1
Sodium	12		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:28	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:28	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:28	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:28	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.5		5.0	1.0	mg/L			02/26/13 04:15	5
Ammonia as N	0.40		0.050	0.026	mg/L			02/22/13 17:56	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	260		10	10	mg/L			02/22/13 07:13	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-71A

Lab Sample ID: 660-52765-3

Date Collected: 02/19/13 10:34

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 16:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 16:03	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 16:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 16:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 16:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 16:03	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 16:03	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 16:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 16:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 16:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 16:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 16:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 16:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:03	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 16:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 16:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 16:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 16:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 16:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 16:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 16:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 16:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 16:03	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 16:03	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 16:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 16:03	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 16:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:03	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 16:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 16:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 16:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 16:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 16:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:03	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 16:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 16:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 16:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 16:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		70 - 130		02/21/13 16:03	1
Dibromofluoromethane	103		70 - 130		02/21/13 16:03	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-71A

Lab Sample ID: 660-52765-3

Date Collected: 02/19/13 10:34

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 16:03	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 23:05	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		03/04/13 17:06	03/04/13 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	110		60 - 144	03/04/13 17:06	03/04/13 23:05	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:32	1
Arsenic	3.4		2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:35	1
Barium	23		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:35	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:32	1
Cadmium	0.21	I	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:35	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:35	1
Cobalt	1.4		0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:35	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:35	1
Iron	23000		100	33	ug/L		02/26/13 07:49	02/26/13 22:35	1
Lead	2.0		1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:35	1
Nickel	4.5	I	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:35	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:35	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:35	1
Sodium	7.9		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:35	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:35	1
Vanadium	5.3	I	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:35	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:35	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.0	1.0	mg/L			02/26/13 04:27	5
Ammonia as N	2.3		0.10	0.052	mg/L			02/22/13 18:32	2
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	530		17	17	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.09				SU			02/19/13 10:34	1
Field Temperature	24.5				Degrees C			02/19/13 10:34	1
Oxygen, Dissolved	0.22				mg/L			02/19/13 10:34	1
Specific Conductance	815				umhos/cm			02/19/13 10:34	1
Turbidity	7.90				NTU			02/19/13 10:34	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-70A

Lab Sample ID: 660-52765-4

Date Collected: 02/19/13 11:06

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 16:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 16:26	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 16:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 16:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 16:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 16:26	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 16:26	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 16:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 16:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 16:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 16:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 16:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 16:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 16:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 16:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:26	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 16:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 16:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 16:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 16:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 16:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 16:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 16:26	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 16:26	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 16:26	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 16:26	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 16:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:26	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 16:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 16:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 16:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 16:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 16:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:26	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 16:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 16:26	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 16:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 16:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/21/13 16:26	1
Dibromofluoromethane	105		70 - 130		02/21/13 16:26	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-70A

Lab Sample ID: 660-52765-4

Date Collected: 02/19/13 11:06

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		02/21/13 16:26	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 23:14	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		03/04/13 17:06	03/04/13 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	113		60 - 144	03/04/13 17:06	03/04/13 23:14	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:36	1
Arsenic	2.7		2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:41	1
Barium	5.0		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:41	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:36	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:41	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:41	1
Cobalt	0.18	I	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:41	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:41	1
Iron	13000		100	33	ug/L		02/26/13 07:49	02/26/13 22:41	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:41	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:41	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:41	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:41	1
Sodium	7.5		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:41	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:41	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:41	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:41	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		5.0	1.0	mg/L			02/26/13 04:40	5
Ammonia as N	1.1		0.050	0.026	mg/L			02/22/13 18:22	1
Nitrate as N	0.21	I	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	280		10	10	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.17				SU			02/19/13 11:06	1
Field Temperature	25.3				Degrees C			02/19/13 11:06	1
Oxygen, Dissolved	1.06				mg/L			02/19/13 11:06	1
Specific Conductance	416				umhos/cm			02/19/13 11:06	1
Turbidity	22.2				NTU			02/19/13 11:06	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-69A

Lab Sample ID: 660-52765-5

Date Collected: 02/19/13 10:02

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 16:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 16:48	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 16:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 16:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 16:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 16:48	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 16:48	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 16:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 16:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 16:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 16:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 16:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 16:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 16:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 16:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 16:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 16:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 16:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 16:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 16:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 16:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 16:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 16:48	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 16:48	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 16:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 16:48	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 16:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:48	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 16:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 16:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 16:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 16:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 16:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 16:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 16:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 16:48	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 16:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 16:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 16:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 16:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/21/13 16:48	1
Dibromofluoromethane	106		70 - 130		02/21/13 16:48	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-69A

Lab Sample ID: 660-52765-5

Date Collected: 02/19/13 10:02

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/21/13 16:48	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.021	0.0023	ug/L		02/27/13 14:05	02/28/13 03:29	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.021	0.0051	ug/L		02/27/13 14:05	02/28/13 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	103		60 - 144	02/27/13 14:05	02/28/13 03:29	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:40	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 22:48	1
Barium	9.2		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 22:48	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:40	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 22:48	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 22:48	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 22:48	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 22:48	1
Iron	9100		100	33	ug/L		02/26/13 07:49	02/26/13 22:48	1
Lead	0.24	I	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 22:48	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 22:48	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 22:48	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 22:48	1
Sodium	25		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 22:48	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 22:48	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 22:48	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 22:48	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		5.0	1.0	mg/L			02/26/13 04:52	5
Ammonia as N	0.77		0.050	0.026	mg/L			02/22/13 17:38	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	800		17	17	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.80				SU			02/19/13 10:02	1
Field Temperature	24.9				Degrees C			02/19/13 10:02	1
Oxygen, Dissolved	0.38				mg/L			02/19/13 10:02	1
Specific Conductance	892				umhos/cm			02/19/13 10:02	1
Turbidity	2.43				NTU			02/19/13 10:02	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-36A

Lab Sample ID: 660-52765-6

Date Collected: 02/19/13 12:22

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 17:11	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 17:11	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 17:11	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 17:11	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 17:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 17:11	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 17:11	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 17:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 17:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 17:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 17:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 17:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 17:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:11	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 17:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 17:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 17:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 17:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 17:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 17:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 17:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 17:11	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 17:11	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 17:11	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 17:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 17:11	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 17:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:11	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 17:11	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 17:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 17:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:11	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 17:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 17:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:11	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:11	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 17:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 17:11	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 17:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 17:11	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		02/21/13 17:11	1
Dibromofluoromethane	108		70 - 130		02/21/13 17:11	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-36A

Lab Sample ID: 660-52765-6

Date Collected: 02/19/13 12:22

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 17:11	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.021	0.0023	ug/L		02/27/13 14:05	02/28/13 02:46	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.021	0.0051	ug/L		02/27/13 14:05	02/28/13 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	103		60 - 144	02/27/13 14:05	02/28/13 02:46	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:51	1
Arsenic	1.7	I	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:08	1
Barium	6.6		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:08	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:51	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:08	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:08	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:08	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:08	1
Iron	180		100	33	ug/L		02/26/13 07:49	02/26/13 23:08	1
Lead	0.48	I	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:08	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:08	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:08	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:08	1
Sodium	3.6		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:08	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:08	1
Vanadium	8.1	I	10	3.8	ug/L		02/26/13 07:49	02/26/13 23:08	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:08	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8	I	5.0	1.0	mg/L			02/26/13 13:10	5
Ammonia as N	0.28		0.050	0.026	mg/L			02/22/13 17:38	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	120		5.0	5.0	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.58				SU			02/19/13 12:22	1
Field Temperature	25.0				Degrees C			02/19/13 12:22	1
Oxygen, Dissolved	0.59				mg/L			02/19/13 12:22	1
Specific Conductance	147				umhos/cm			02/19/13 12:22	1
Turbidity	6.85				NTU			02/19/13 12:22	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-40

Date Collected: 02/19/13 14:48

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-7

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 17:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 17:33	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 17:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 17:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 17:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 17:33	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 17:33	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 17:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 17:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 17:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 17:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 17:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 17:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 17:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 17:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 17:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 17:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 17:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 17:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 17:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 17:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 17:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 17:33	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 17:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 17:33	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 17:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:33	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 17:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 17:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 17:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 17:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 17:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:33	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 17:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 17:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 17:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 17:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/21/13 17:33	1
Dibromofluoromethane	103		70 - 130		02/21/13 17:33	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-40
Date Collected: 02/19/13 14:48
Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-7
Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/21/13 17:33	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:05	02/28/13 03:38	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		02/27/13 14:05	02/28/13 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	109		60 - 144	02/27/13 14:05	02/28/13 03:38	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:55	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:15	1
Barium	5.3		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:15	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:55	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:15	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:15	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:15	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:15	1
Iron	49	I	100	33	ug/L		02/26/13 07:49	02/26/13 23:15	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:15	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:15	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:15	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:15	1
Sodium	15		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:15	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:15	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 23:15	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:15	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:35	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.5		5.0	1.0	mg/L			02/26/13 13:47	5
Ammonia as N	0.30		0.050	0.026	mg/L			02/22/13 17:38	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	220		5.0	5.0	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.16				SU			02/19/13 14:48	1
Field Temperature	23.5				Degrees C			02/19/13 14:48	1
Oxygen, Dissolved	0.55				mg/L			02/19/13 14:48	1
Specific Conductance	326				umhos/cm			02/19/13 14:48	1
Turbidity	0.33				NTU			02/19/13 14:48	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-68

Lab Sample ID: 660-52765-8

Date Collected: 02/19/13 13:06

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 17:56	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 17:56	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 17:56	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 17:56	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 17:56	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 17:56	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 17:56	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 17:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 17:56	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 17:56	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 17:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:56	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 17:56	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 17:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:56	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 17:56	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 17:56	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:56	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 17:56	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 17:56	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 17:56	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 17:56	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 17:56	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 17:56	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 17:56	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 17:56	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 17:56	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 17:56	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 17:56	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 17:56	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:56	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 17:56	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 17:56	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 17:56	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 17:56	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 17:56	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 17:56	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 17:56	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 17:56	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 17:56	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 17:56	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 17:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 17:56	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		02/21/13 17:56	1
Dibromofluoromethane	101		70 - 130		02/21/13 17:56	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-68

Lab Sample ID: 660-52765-8

Date Collected: 02/19/13 13:06

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 17:56	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:05	02/28/13 02:55	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/27/13 14:05	02/28/13 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	106		60 - 144	02/27/13 14:05	02/28/13 02:55	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 16:59	1
Arsenic	3.3		2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:22	1
Barium	10		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 16:59	1
Cadmium	0.14	I	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:22	1
Chromium	2.7	I	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:22	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:22	1
Copper	1.9	I	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:22	1
Iron	410		100	33	ug/L		02/26/13 07:49	02/26/13 23:22	1
Lead	0.53	I	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:22	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:22	1
Selenium	1.1	I	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:22	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:22	1
Sodium	8.4		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:22	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:22	1
Vanadium	4.1	I	10	3.8	ug/L		02/26/13 07:49	02/26/13 23:22	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:22	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23		5.0	1.0	mg/L			02/26/13 13:59	5
Ammonia as N	0.12		0.050	0.026	mg/L			02/22/13 17:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	230		5.0	5.0	mg/L			02/22/13 07:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.43				SU			02/19/13 13:06	1
Field Temperature	25.7				Degrees C			02/19/13 13:06	1
Oxygen, Dissolved	0.57				mg/L			02/19/13 13:06	1
Specific Conductance	235				umhos/cm			02/19/13 13:06	1
Turbidity	17.1				NTU			02/19/13 13:06	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-64

Lab Sample ID: 660-52765-9

Date Collected: 02/19/13 13:34

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 18:18	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 18:18	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 18:18	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 18:18	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 18:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 18:18	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 18:18	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 18:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 18:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 18:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 18:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 18:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 18:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 18:18	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 18:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 18:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 18:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 18:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 18:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 18:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 18:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 18:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 18:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 18:18	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 18:18	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 18:18	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 18:18	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 18:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 18:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 18:18	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 18:18	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 18:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 18:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 18:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 18:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 18:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 18:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:18	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 18:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 18:18	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 18:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 18:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 18:18	1
Dibromofluoromethane	106		70 - 130		02/21/13 18:18	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-64

Lab Sample ID: 660-52765-9

Date Collected: 02/19/13 13:34

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 18:18	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.021	0.0023	ug/L		02/27/13 14:05	02/28/13 03:03	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.021	0.0051	ug/L		02/27/13 14:05	02/28/13 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	105		60 - 144	02/27/13 14:05	02/28/13 03:03	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 17:03	1
Arsenic	1.5	I	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:28	1
Barium	67		5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:28	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 17:03	1
Cadmium	0.26	I	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:28	1
Chromium	3.5	I	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:28	1
Cobalt	0.15	I	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:28	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:28	1
Iron	680		100	33	ug/L		02/26/13 07:49	02/26/13 23:28	1
Lead	1.9		1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:28	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:28	1
Selenium	1.7	I	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:28	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:28	1
Sodium	8.4		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:28	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:28	1
Vanadium	8.4	I	10	3.8	ug/L		02/26/13 07:49	02/26/13 23:28	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:28	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		5.0	1.0	mg/L			02/26/13 14:12	5
Ammonia as N	0.25		0.050	0.026	mg/L			02/22/13 17:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	220		5.0	5.0	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.90				SU			02/19/13 13:34	1
Field Temperature	25.6				Degrees C			02/19/13 13:34	1
Oxygen, Dissolved	0.25				mg/L			02/19/13 13:34	1
Specific Conductance	266				umhos/cm			02/19/13 13:34	1
Turbidity	12.9				NTU			02/19/13 13:34	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-61A

Lab Sample ID: 660-52765-10

Date Collected: 02/19/13 14:05

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 18:41	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 18:41	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 18:41	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 18:41	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 18:41	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 18:41	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 18:41	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 18:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 18:41	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 18:41	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 18:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:41	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 18:41	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 18:41	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 18:41	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 18:41	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 18:41	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 18:41	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 18:41	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 18:41	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 18:41	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 18:41	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 18:41	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 18:41	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 18:41	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:41	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 18:41	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 18:41	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 18:41	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 18:41	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 18:41	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 18:41	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 18:41	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 18:41	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 18:41	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 18:41	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 18:41	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 18:41	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 18:41	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 18:41	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 18:41	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 18:41	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 18:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 18:41	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 18:41	1
Dibromofluoromethane	102		70 - 130		02/21/13 18:41	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-61A

Lab Sample ID: 660-52765-10

Date Collected: 02/19/13 14:05

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		02/21/13 18:41	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:05	02/28/13 03:12	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		02/27/13 14:05	02/28/13 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	105		60 - 144	02/27/13 14:05	02/28/13 03:12	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 17:07	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:35	1
Barium	4.1	I	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:35	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 17:07	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:35	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:35	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:35	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:35	1
Iron	360		100	33	ug/L		02/26/13 07:49	02/26/13 23:35	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:35	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:35	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:35	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:35	1
Sodium	3.4		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:35	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:35	1
Vanadium	15		10	3.8	ug/L		02/26/13 07:49	02/26/13 23:35	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:35	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		5.0	1.0	mg/L			02/26/13 14:24	5
Ammonia as N	0.28		0.050	0.026	mg/L			02/22/13 17:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	160		5.0	5.0	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.61				SU			02/19/13 14:05	1
Field Temperature	24.8				Degrees C			02/19/13 14:05	1
Oxygen, Dissolved	0.92				mg/L			02/19/13 14:05	1
Specific Conductance	191				umhos/cm			02/19/13 14:05	1
Turbidity	2.10				NTU			02/19/13 14:05	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT 52765

Lab Sample ID: 660-52765-11

Date Collected: 02/19/13 09:30

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 19:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 19:03	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 19:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 19:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 19:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 19:03	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/21/13 19:03	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 19:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 19:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 19:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 19:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 19:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 19:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 19:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 19:03	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 19:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 19:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 19:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 19:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 19:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 19:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 19:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 19:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 19:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 19:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 19:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 19:03	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 19:03	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 19:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 19:03	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 19:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 19:03	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 19:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 19:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 19:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 19:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 19:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 19:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 19:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 19:03	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 19:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 19:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 19:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 19:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 19:03	1
Dibromofluoromethane	105		70 - 130		02/21/13 19:03	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK EQUIPMENT 52765

Lab Sample ID: 660-52765-11

Date Collected: 02/19/13 09:30

Matrix: Ground Water

Date Received: 02/19/13 16:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		02/21/13 19:03	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:05	02/28/13 03:20	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/27/13 14:05	02/28/13 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	128		60 - 144	02/27/13 14:05	02/28/13 03:20	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 17:11	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 23:42	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 23:42	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 17:11	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 23:42	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 23:42	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 23:42	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 23:42	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 23:42	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 23:42	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 23:42	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 23:42	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 23:42	1
Sodium	0.69		0.50	0.25	mg/L		02/26/13 07:49	02/26/13 23:42	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 23:42	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 23:42	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 23:42	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/26/13 14:36	5
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/22/13 17:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/25/13 10:20	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52765

Lab Sample ID: 660-52765-12

Date Collected: 02/19/13 09:27

Matrix: Water

Date Received: 02/19/13 16:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/25/13 13:45	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/25/13 13:45	1
Benzene	0.50	U	1.0	0.50	ug/L			02/25/13 13:45	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/25/13 13:45	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/25/13 13:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/25/13 13:45	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			02/25/13 13:45	1
2-Butanone	8.4	U	10	8.4	ug/L			02/25/13 13:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/25/13 13:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/25/13 13:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/25/13 13:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/25/13 13:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/25/13 13:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/25/13 13:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/25/13 13:45	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/25/13 13:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/25/13 13:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/25/13 13:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/25/13 13:45	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/25/13 13:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/25/13 13:45	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/25/13 13:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/25/13 13:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/25/13 13:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/25/13 13:45	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/25/13 13:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/25/13 13:45	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/25/13 13:45	1
Styrene	0.98	U	2.0	0.98	ug/L			02/25/13 13:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/25/13 13:45	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/25/13 13:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/25/13 13:45	1
Toluene	0.51	U	1.0	0.51	ug/L			02/25/13 13:45	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/25/13 13:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/25/13 13:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/25/13 13:45	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/25/13 13:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/25/13 13:45	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/25/13 13:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/25/13 13:45	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/25/13 13:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/25/13 13:45	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/25/13 13:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/25/13 13:45	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/25/13 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/25/13 13:45	1
Dibromofluoromethane	103		70 - 130		02/25/13 13:45	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52765

Lab Sample ID: 660-52765-12

Date Collected: 02/19/13 09:27

Matrix: Water

Date Received: 02/19/13 16:00

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Toluene-d8 (Surr)	101		70 - 130		02/25/13 13:45	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-65

Date Collected: 02/20/13 10:16

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 13:10	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 13:10	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 13:10	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 13:10	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 13:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 13:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:10	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 13:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 13:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 13:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 13:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 13:10	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 13:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:10	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 13:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 13:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 13:10	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 13:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 13:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 13:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 13:10	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 13:10	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 13:10	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 13:10	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 13:10	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 13:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 13:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:10	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 13:10	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 13:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 13:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 13:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 13:10	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:10	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 13:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 13:10	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 13:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 13:10	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/22/13 13:10	1
Dibromofluoromethane	100		70 - 130		02/22/13 13:10	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-65

Lab Sample ID: 660-52811-1

Date Collected: 02/20/13 10:16

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		02/22/13 13:10	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0024	U	0.022	0.0024	ug/L		03/04/13 17:06	03/05/13 00:39	1
1,2-Dibromo-3-Chloropropane	0.0055	U	0.022	0.0055	ug/L		03/04/13 17:06	03/05/13 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	114		60 - 144	03/04/13 17:06	03/05/13 00:39	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:03	1
Arsenic	7.2		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:03	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:03	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:38	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:03	1
Chromium	2.6	I	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:03	1
Cobalt	0.84		0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:03	1
Copper	1.3	I	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:03	1
Iron	2200		100	33	ug/L		02/26/13 12:47	02/27/13 02:03	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:03	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:03	1
Selenium	1.5	I	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:03	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:03	1
Sodium	14		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:03	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:03	1
Vanadium	5.9	I	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:03	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:03	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 12:55	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16		5.0	1.0	mg/L			02/23/13 14:12	5
Ammonia as N	1.4		0.050	0.026	mg/L			02/26/13 13:01	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	200		5.0	5.0	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.09				SU			02/20/13 10:16	1
Field Temperature	23.8				Degrees C			02/20/13 10:16	1
Oxygen, Dissolved	0.34				mg/L			02/20/13 10:16	1
Specific Conductance	281				umhos/cm			02/20/13 10:16	1
Turbidity	3.64				NTU			02/20/13 10:16	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-66A

Lab Sample ID: 660-52811-2

Date Collected: 02/20/13 11:02

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 13:27	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 13:27	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 13:27	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 13:27	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 13:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 13:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:27	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 13:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 13:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 13:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 13:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 13:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 13:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:27	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 13:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 13:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 13:27	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 13:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 13:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 13:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 13:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 13:27	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 13:27	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 13:27	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 13:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 13:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 13:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:27	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 13:27	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 13:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 13:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:27	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 13:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 13:27	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:27	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 13:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 13:27	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 13:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 13:27	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/22/13 13:27	1
Dibromofluoromethane	98		70 - 130		02/22/13 13:27	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-66A

Lab Sample ID: 660-52811-2

Date Collected: 02/20/13 11:02

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		02/22/13 13:27	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:03	02/27/13 23:29	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/27/13 14:03	02/27/13 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	109		60 - 144	02/27/13 14:03	02/27/13 23:29	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:10	1
Arsenic	3.9		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:10	1
Barium	1.9 I		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:10	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:42	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:10	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:10	1
Cobalt	1.2		0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:10	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:10	1
Iron	1400		100	33	ug/L		02/26/13 12:47	02/27/13 02:10	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:10	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:10	1
Selenium	1.8 I		2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:10	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:10	1
Sodium	8.9		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:10	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:10	1
Vanadium	27		10	3.8	ug/L		02/26/13 12:47	02/27/13 02:10	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:10	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24		5.0	1.0	mg/L			02/23/13 14:50	5
Ammonia as N	0.29		0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	220		5.0	5.0	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.80				SU			02/20/13 11:02	1
Field Temperature	22.4				Degrees C			02/20/13 11:02	1
Oxygen, Dissolved	0.71				mg/L			02/20/13 11:02	1
Specific Conductance	360				umhos/cm			02/20/13 11:02	1
Turbidity	1.91				NTU			02/20/13 11:02	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-67
Date Collected: 02/20/13 11:37
Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 13:45	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 13:45	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 13:45	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 13:45	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 13:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 13:45	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:45	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 13:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 13:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 13:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 13:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 13:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 13:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:45	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 13:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 13:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 13:45	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 13:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 13:45	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 13:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 13:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 13:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 13:45	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 13:45	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 13:45	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 13:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 13:45	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 13:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:45	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 13:45	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 13:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 13:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 13:45	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 13:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 13:45	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 13:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 13:45	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 13:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 13:45	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 13:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 13:45	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		02/22/13 13:45	1
Dibromofluoromethane	101		70 - 130		02/22/13 13:45	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-67

Lab Sample ID: 660-52811-3

Date Collected: 02/20/13 11:37

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		02/22/13 13:45	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.021	0.0023	ug/L		03/04/13 17:06	03/05/13 00:56	1
1,2-Dibromo-3-Chloropropane	0.0052	U	0.021	0.0052	ug/L		03/04/13 17:06	03/05/13 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	113		60 - 144	03/04/13 17:06	03/05/13 00:56	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:17	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:17	1
Barium	4.9	I	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:17	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:46	1
Cadmium	0.11	I	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:17	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:17	1
Cobalt	0.38	I	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:17	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:17	1
Iron	9400		100	33	ug/L		02/26/13 12:47	02/27/13 02:17	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:17	1
Nickel	2.3	I	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:17	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:17	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:17	1
Sodium	27		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:17	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:17	1
Vanadium	5.9	I	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:17	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:17	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41		5.0	1.0	mg/L			02/23/13 15:02	5
Ammonia as N	1.4		0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	350		17	17	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.25				SU			02/20/13 11:37	1
Field Temperature	22.9				Degrees C			02/20/13 11:37	1
Oxygen, Dissolved	0.81				mg/L			02/20/13 11:37	1
Specific Conductance	684				umhos/cm			02/20/13 11:37	1
Turbidity	13.9				NTU			02/20/13 11:37	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-22A

Lab Sample ID: 660-52811-4

Date Collected: 02/20/13 12:25

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 14:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 14:03	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 14:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 14:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 14:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 14:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:03	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 14:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 14:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 14:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 14:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 14:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 14:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:03	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 14:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 14:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 14:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 14:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 14:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 14:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 14:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 14:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 14:03	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 14:03	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 14:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 14:03	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 14:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:03	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 14:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 14:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 14:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 14:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 14:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:03	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 14:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 14:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 14:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 14:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/22/13 14:03	1
Dibromofluoromethane	101		70 - 130		02/22/13 14:03	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-22A

Lab Sample ID: 660-52811-4

Date Collected: 02/20/13 12:25

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		02/22/13 14:03	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/05/13 00:22	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/05/13 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	112		60 - 144	03/04/13 17:06	03/05/13 00:22	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:23	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:23	1
Barium	61		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:23	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:50	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:23	1
Chromium	4.3	I	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:23	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:23	1
Copper	1.1	I	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:23	1
Iron	430		100	33	ug/L		02/26/13 12:47	02/27/13 02:23	1
Lead	1.1	I	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:23	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:23	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:23	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:23	1
Sodium	4.1		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:23	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:23	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:23	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:23	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		5.0	1.0	mg/L			02/23/13 15:14	5
Ammonia as N	0.57		0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	170		5.0	5.0	mg/L			02/25/13 10:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.32				SU			02/20/13 12:25	1
Field Temperature	21.4				Degrees C			02/20/13 12:25	1
Oxygen, Dissolved	0.44				mg/L			02/20/13 12:25	1
Specific Conductance	239				umhos/cm			02/20/13 12:25	1
Turbidity	16.7				NTU			02/20/13 12:25	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52811-5

Date Collected: 02/20/13 00:00

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 14:21	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 14:21	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 14:21	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 14:21	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 14:21	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 14:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:21	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 14:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 14:21	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 14:21	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 14:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:21	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 14:21	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 14:21	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:21	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 14:21	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 14:21	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:21	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 14:21	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 14:21	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 14:21	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 14:21	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 14:21	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:21	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 14:21	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:21	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 14:21	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 14:21	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 14:21	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 14:21	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 14:21	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:21	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 14:21	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 14:21	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 14:21	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:21	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 14:21	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 14:21	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:21	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:21	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 14:21	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 14:21	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 14:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 14:21	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/22/13 14:21	1
Dibromofluoromethane	101		70 - 130		02/22/13 14:21	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52811-5

Date Collected: 02/20/13 00:00

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		02/22/13 14:21	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/05/13 00:30	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/05/13 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	113		60 - 144	03/04/13 17:06	03/05/13 00:30	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:44	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:44	1
Barium	6.2		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:44	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:54	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:44	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:44	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:44	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:44	1
Iron	400		100	33	ug/L		02/26/13 12:47	02/27/13 02:44	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:44	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:44	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:44	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:44	1
Sodium	12		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:44	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:44	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:44	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:44	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		5.0	1.0	mg/L			02/23/13 15:27	5
Ammonia as N	0.94		0.050	0.026	mg/L			02/26/13 13:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	100		5.0	5.0	mg/L			02/26/13 08:41	1

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-57

Date Collected: 02/20/13 13:04

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-6

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 14:39	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 14:39	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 14:39	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 14:39	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 14:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 14:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:39	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 14:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 14:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 14:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 14:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 14:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 14:39	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:39	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 14:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 14:39	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 14:39	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 14:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 14:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 14:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 14:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 14:39	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 14:39	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 14:39	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 14:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 14:39	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 14:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:39	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 14:39	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 14:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 14:39	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:39	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 14:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 14:39	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:39	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 14:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 14:39	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 14:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 14:39	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/22/13 14:39	1
Dibromofluoromethane	100		70 - 130		02/22/13 14:39	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-57

Lab Sample ID: 660-52811-6

Date Collected: 02/20/13 13:04

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		02/22/13 14:39	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/05/13 00:13	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/05/13 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	115		60 - 144	03/04/13 17:06	03/05/13 00:13	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:50	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:50	1
Barium	6.2		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:50	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 11:58	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:50	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:50	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:50	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:50	1
Iron	370		100	33	ug/L		02/26/13 12:47	02/27/13 02:50	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:50	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:50	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:50	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:50	1
Sodium	11		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:50	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:50	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:50	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:50	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		5.0	1.0	mg/L			02/23/13 15:39	5
Ammonia as N	1.1		0.050	0.026	mg/L			02/26/13 15:33	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	90		5.0	5.0	mg/L			02/26/13 08:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.99				SU			02/20/13 13:04	1
Field Temperature	26.4				Degrees C			02/20/13 13:04	1
Oxygen, Dissolved	0.14				mg/L			02/20/13 13:04	1
Specific Conductance	186				umhos/cm			02/20/13 13:04	1
Turbidity	0.67				NTU			02/20/13 13:04	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-28A

Lab Sample ID: 660-52811-7

Date Collected: 02/20/13 13:41

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 14:57	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 14:57	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 14:57	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 14:57	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 14:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 14:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:57	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 14:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 14:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 14:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 14:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 14:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 14:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:57	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 14:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 14:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 14:57	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 14:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 14:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 14:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 14:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 14:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 14:57	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 14:57	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 14:57	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 14:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 14:57	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 14:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:57	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 14:57	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 14:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 14:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 14:57	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 14:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 14:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 14:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 14:57	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 14:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 14:57	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 14:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 14:57	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/22/13 14:57	1
Dibromofluoromethane	99		70 - 130		02/22/13 14:57	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-28A

Lab Sample ID: 660-52811-7

Date Collected: 02/20/13 13:41

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		02/22/13 14:57	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/05/13 00:05	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		03/04/13 17:06	03/05/13 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	111		60 - 144	03/04/13 17:06	03/05/13 00:05	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 02:57	1
Arsenic	2.3	I	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 02:57	1
Barium	1.8	I	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 02:57	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 12:02	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 02:57	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 02:57	1
Cobalt	0.34	I	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 02:57	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 02:57	1
Iron	3900		100	33	ug/L		02/26/13 12:47	02/27/13 02:57	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 02:57	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 02:57	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 02:57	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 02:57	1
Sodium	25		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 02:57	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 02:57	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 02:57	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 02:57	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67		5.0	1.0	mg/L			02/23/13 15:52	5
Ammonia as N	2.8		0.10	0.052	mg/L			02/26/13 15:41	2
Nitrate as N	0.10	U J3	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	180		5.0	5.0	mg/L			02/26/13 08:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.01				SU			02/20/13 13:41	1
Field Temperature	26.4				Degrees C			02/20/13 13:41	1
Oxygen, Dissolved	0.71				mg/L			02/20/13 13:41	1
Specific Conductance	334				umhos/cm			02/20/13 13:41	1
Turbidity	1.46				NTU			02/20/13 13:41	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-58

Date Collected: 02/20/13 14:16

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 15:15	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 15:15	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 15:15	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 15:15	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 15:15	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 15:15	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 15:15	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 15:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 15:15	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 15:15	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 15:15	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 15:15	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 15:15	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 15:15	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 15:15	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 15:15	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 15:15	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 15:15	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 15:15	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 15:15	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 15:15	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 15:15	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 15:15	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 15:15	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 15:15	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 15:15	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 15:15	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 15:15	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 15:15	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 15:15	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 15:15	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 15:15	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 15:15	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 15:15	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 15:15	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 15:15	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 15:15	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 15:15	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 15:15	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 15:15	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 15:15	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 15:15	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 15:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 15:15	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/22/13 15:15	1
Dibromofluoromethane	99		70 - 130		02/22/13 15:15	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-58

Lab Sample ID: 660-52811-8

Date Collected: 02/20/13 14:16

Matrix: Ground Water

Date Received: 02/20/13 18:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		02/22/13 15:15	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/05/13 00:48	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		03/04/13 17:06	03/05/13 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	110		60 - 144	03/04/13 17:06	03/05/13 00:48	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 03:04	1
Arsenic	28		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 03:04	1
Barium	19		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 03:04	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 12:13	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 03:04	1
Chromium	4.5	I	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 03:04	1
Cobalt	0.24	I	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 03:04	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 03:04	1
Iron	3800		100	33	ug/L		02/26/13 12:47	02/27/13 03:04	1
Lead	0.20	I	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 03:04	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 03:04	1
Selenium	1.4	I	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 03:04	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 03:04	1
Sodium	20		0.50	0.25	mg/L		02/26/13 12:47	02/27/13 03:04	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 03:04	1
Vanadium	6.5	I	10	3.8	ug/L		02/26/13 12:47	02/27/13 03:04	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 03:04	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28		5.0	1.0	mg/L			02/23/13 16:04	5
Ammonia as N	1.1		0.050	0.026	mg/L			02/26/13 15:33	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Total Dissolved Solids	180		10	10	mg/L			02/26/13 08:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.16				SU			02/20/13 14:16	1
Field Temperature	25.8				Degrees C			02/20/13 14:16	1
Oxygen, Dissolved	7.28				mg/L			02/20/13 14:16	1
Specific Conductance	494				umhos/cm			02/20/13 14:16	1
Turbidity	5.81				NTU			02/20/13 14:16	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52811

Lab Sample ID: 660-52811-9

Date Collected: 02/20/13 10:00

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/13 12:52	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 12:52	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 12:52	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 12:52	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 12:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 12:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 12:52	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 12:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 12:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 12:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 12:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 12:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 12:52	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 12:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 12:52	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 12:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 12:52	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 12:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 12:52	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 12:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 12:52	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 12:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 12:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 12:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 12:52	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 12:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 12:52	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 12:52	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 12:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 12:52	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 12:52	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 12:52	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 12:52	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 12:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 12:52	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 12:52	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 12:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 12:52	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 12:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 12:52	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 12:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 12:52	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 12:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 12:52	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130		02/22/13 12:52	1
Dibromofluoromethane	102		70 - 130		02/22/13 12:52	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BLANK TRAVEL 52811

Lab Sample ID: 660-52811-9

Date Collected: 02/20/13 10:00

Matrix: Water

Date Received: 02/20/13 18:00

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Toluene-d8 (Surr)	101		70 - 130		02/22/13 12:52	1

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QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8260B - VOC

Lab Sample ID: MB 660-134741/6

Matrix: Water

Analysis Batch: 134741

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/21/13 10:14	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/21/13 10:14	1
Benzene	0.50	U	1.0	0.50	ug/L			02/21/13 10:14	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/21/13 10:14	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/21/13 10:14	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/21/13 10:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:14	1
2-Butanone	8.4	U	10	8.4	ug/L			02/21/13 10:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/21/13 10:14	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/21/13 10:14	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/21/13 10:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:14	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/21/13 10:14	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/21/13 10:14	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 10:14	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/21/13 10:14	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/21/13 10:14	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/21/13 10:14	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/21/13 10:14	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/21/13 10:14	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/21/13 10:14	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/21/13 10:14	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/21/13 10:14	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/21/13 10:14	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/21/13 10:14	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:14	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/21/13 10:14	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/21/13 10:14	1
Styrene	0.98	U	2.0	0.98	ug/L			02/21/13 10:14	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/21/13 10:14	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/21/13 10:14	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 10:14	1
Toluene	0.51	U	1.0	0.51	ug/L			02/21/13 10:14	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/21/13 10:14	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/21/13 10:14	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/21/13 10:14	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/21/13 10:14	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/21/13 10:14	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/21/13 10:14	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/21/13 10:14	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/21/13 10:14	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/21/13 10:14	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/21/13 10:14	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/21/13 10:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/21/13 10:14	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/21/13 10:14	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 660-134741/6

Matrix: Water

Analysis Batch: 134741

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		02/21/13 10:14	1
Dibromofluoromethane	104		70 - 130		02/21/13 10:14	1
Toluene-d8 (Surr)	103		70 - 130		02/21/13 10:14	1

Lab Sample ID: LCS 660-134741/4

Matrix: Water

Analysis Batch: 134741

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	39.3		ug/L		98	62 - 142
Acrylonitrile	40.0	35.0		ug/L		87	59 - 146
Benzene	20.0	18.1		ug/L		90	68 - 134
Bromochloromethane	20.0	18.7		ug/L		93	70 - 130
Bromodichloromethane	20.0	19.7		ug/L		98	70 - 130
Bromoform	20.0	18.0		ug/L		90	65 - 130
Bromomethane	20.0	36.0	J3	ug/L		180	22 - 150
2-Butanone	40.0	35.8		ug/L		90	63 - 140
Carbon disulfide	40.0	35.9		ug/L		90	30 - 150
Carbon tetrachloride	20.0	16.0		ug/L		80	61 - 134
Chlorobenzene	20.0	17.9		ug/L		90	70 - 130
Chloroethane	20.0	22.1		ug/L		110	39 - 150
Chloromethane	20.0	25.1		ug/L		125	35 - 150
cis-1,2-Dichloroethene	20.0	18.3		ug/L		91	66 - 130
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	70 - 130
Dibromochloromethane	20.0	19.4		ug/L		97	70 - 130
Dibromomethane	20.0	18.2		ug/L		91	70 - 130
1,2-Dichlorobenzene	20.0	17.9		ug/L		89	70 - 130
1,4-Dichlorobenzene	20.0	17.1		ug/L		86	70 - 130
1,1-Dichloroethane	20.0	17.6		ug/L		88	66 - 130
1,2-Dichloroethane	20.0	19.4		ug/L		97	70 - 130
1,1-Dichloroethene	20.0	13.5		ug/L		68	51 - 150
1,2-Dichloropropane	20.0	18.8		ug/L		94	70 - 130
Ethylbenzene	20.0	18.2		ug/L		91	70 - 130
2-Hexanone	40.0	39.8		ug/L		99	60 - 148
Iodomethane	40.0	29.8		ug/L		75	50 - 150
Methylene Chloride	20.0	17.7		ug/L		89	57 - 130
4-Methyl-2-pentanone	40.0	38.9		ug/L		97	64 - 137
Styrene	20.0	19.0		ug/L		95	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.2		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	70 - 130
Tetrachloroethene	20.0	18.5		ug/L		92	50 - 143
Toluene	20.0	18.3		ug/L		92	70 - 131
trans-1,4-Dichloro-2-butene	40.0	37.6		ug/L		94	70 - 130
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	62 - 139
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 130
1,1,1-Trichloroethane	20.0	18.1		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	17.6		ug/L		88	70 - 130
Trichloroethene	20.0	18.1		ug/L		90	63 - 139

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 660-134741/4

Matrix: Water

Analysis Batch: 134741

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	20.0	19.4		ug/L		97	68 - 130
Trichlorofluoromethane	20.0	22.0		ug/L		110	62 - 146
Trichloromethane	20.0	19.4		ug/L		97	68 - 130
1,2,3-Trichloropropane	20.0	17.9		ug/L		90	66 - 130
Vinyl acetate	20.0	21.5		ug/L		107	31 - 146
Vinyl chloride	20.0	20.5		ug/L		103	48 - 147
Xylenes, Total	60.0	57.0		ug/L		95	68 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 660-52743-5 MS

Matrix: Ground Water

Analysis Batch: 134741

Client Sample ID: BARNES

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	42.0		ug/L		105	62 - 142
Acrylonitrile	1.2	U	40.0	37.2		ug/L		93	59 - 146
Benzene	0.50	U	20.0	17.2		ug/L		86	68 - 134
Bromochloromethane	0.58	U	20.0	18.5		ug/L		93	70 - 130
Bromodichloromethane	0.35	U	20.0	19.2		ug/L		96	70 - 130
Bromoform	0.58	U	20.0	18.0		ug/L		90	65 - 130
Bromomethane	2.5	U J3	20.0	28.6		ug/L		143	22 - 150
2-Butanone	8.4	U	40.0	38.0		ug/L		95	63 - 140
Carbon disulfide	1.0	U	40.0	33.0		ug/L		82	30 - 150
Carbon tetrachloride	0.42	U	20.0	15.7		ug/L		79	61 - 134
Chlorobenzene	0.63	U	20.0	17.2		ug/L		86	70 - 130
Chloroethane	2.5	U	20.0	23.3		ug/L		116	39 - 150
Chloromethane	1.0	U	20.0	26.4		ug/L		132	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	17.8		ug/L		89	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	18.6		ug/L		93	70 - 130
Dibromochloromethane	0.34	U	20.0	19.2		ug/L		96	70 - 130
Dibromomethane	0.41	U	20.0	18.5		ug/L		92	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	17.6		ug/L		88	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	17.5		ug/L		87	70 - 130
1,1-Dichloroethane	0.52	U	20.0	16.5		ug/L		82	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.6		ug/L		98	70 - 130
1,1-Dichloroethene	0.45	U	20.0	12.8		ug/L		64	51 - 150
1,2-Dichloropropane	0.52	U	20.0	18.0		ug/L		90	70 - 130
Ethylbenzene	0.44	U	20.0	17.6		ug/L		88	70 - 130
2-Hexanone	4.4	U	40.0	42.2		ug/L		106	60 - 148
Iodomethane	2.5	U	40.0	22.5		ug/L		56	50 - 150
Methylene Chloride	4.0	U	20.0	15.8		ug/L		79	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	40.2		ug/L		100	64 - 137
Styrene	0.98	U	20.0	18.6		ug/L		93	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.1		ug/L		90	70 - 130

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-52743-5 MS

Matrix: Ground Water

Analysis Batch: 134741

Client Sample ID: BARNES

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
1,1,2,2-Tetrachloroethane	0.15	U	20.0	16.7		ug/L		84	70 - 130
Tetrachloroethane	0.50	U	20.0	19.2		ug/L		96	50 - 143
Toluene	0.51	U	20.0	17.3		ug/L		87	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	38.0		ug/L		95	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	15.7		ug/L		79	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	18.7		ug/L		94	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.7		ug/L		89	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	18.4		ug/L		92	70 - 130
Trichloroethene	0.50	U	20.0	17.1		ug/L		85	63 - 139
Chloroform	0.90	U	20.0	19.1		ug/L		95	68 - 130
Trichlorofluoromethane	2.5	U	20.0	24.7		ug/L		124	62 - 146
Trichloromethane	0.90		20.0	19.1		ug/L		95	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	18.0		ug/L		90	66 - 130
Vinyl acetate	1.5	U	20.0	21.6		ug/L		108	31 - 146
Vinyl chloride	0.50	U	20.0	21.4		ug/L		107	48 - 147
Xylenes, Total	0.50	U	60.0	54.8		ug/L		91	68 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 660-52743-4 DU

Matrix: Ground Water

Analysis Batch: 134741

Client Sample ID: KEEN JR

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromochloromethane	0.58	U	0.58	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 J3	2.5	U J3	ug/L		NC	30
2-Butanone	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
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	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
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-52743-4 DU

Matrix: Ground Water

Analysis Batch: 134741

Client Sample ID: KEEN JR

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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
Ethylbenzene	0.44	U	0.44	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
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30
4-Methyl-2-pentanone	3.8	U	3.8	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
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
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
Trichloromethane	0.90	U	0.90	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	DU	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	104		70 - 130

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

Lab Sample ID: MB 660-134763/6

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	9.9	U	20	9.9	ug/L			02/22/13 07:38	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/13 07:38	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/13 07:38	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/13 07:38	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/13 07:38	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/13 07:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/13 07:38	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/13 07:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/13 07:38	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/13 07:38	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: MB 660-134763/6

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/13 07:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/13 07:38	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/13 07:38	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/13 07:38	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 07:38	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/13 07:38	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/13 07:38	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/13 07:38	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/13 07:38	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/13 07:38	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/13 07:38	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/13 07:38	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/13 07:38	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/13 07:38	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/13 07:38	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/13 07:38	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/13 07:38	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/13 07:38	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/13 07:38	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/13 07:38	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/13 07:38	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 07:38	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/13 07:38	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/13 07:38	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/13 07:38	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/13 07:38	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/13 07:38	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/13 07:38	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/13 07:38	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/13 07:38	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/22/13 07:38	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/13 07:38	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/13 07:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/13 07:38	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/13 07:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	99		70 - 130		02/22/13 07:38	1
Dibromofluoromethane	100		70 - 130		02/22/13 07:38	1
Toluene-d8 (Surr)	99		70 - 130		02/22/13 07:38	1

Lab Sample ID: LCS 660-134763/4

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acetone	40.0	41.5		ug/L		104	62 - 142
Acrylonitrile	40.0	38.7		ug/L		97	59 - 146

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: LCS 660-134763/4

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	18.5		ug/L		92	68 - 134
Bromochloromethane	20.0	19.1		ug/L		95	70 - 130
Bromodichloromethane	20.0	18.8		ug/L		94	70 - 130
Bromoform	20.0	18.1		ug/L		91	65 - 130
Bromomethane	20.0	19.3		ug/L		96	22 - 150
2-Butanone	40.0	37.5		ug/L		94	63 - 140
Carbon disulfide	40.0	39.5		ug/L		99	30 - 150
Carbon tetrachloride	20.0	18.4		ug/L		92	61 - 134
Chlorobenzene	20.0	18.5		ug/L		93	70 - 130
Chloroethane	20.0	20.5		ug/L		102	39 - 150
Chloromethane	20.0	20.1		ug/L		100	35 - 150
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	66 - 130
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	70 - 130
Dibromochloromethane	20.0	18.9		ug/L		95	70 - 130
Dibromomethane	20.0	18.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
1,4-Dichlorobenzene	20.0	18.5		ug/L		92	70 - 130
1,1-Dichloroethane	20.0	18.0		ug/L		90	66 - 130
1,2-Dichloroethane	20.0	18.6		ug/L		93	70 - 130
1,1-Dichloroethene	20.0	16.9		ug/L		84	51 - 150
1,2-Dichloropropane	20.0	19.0		ug/L		95	70 - 130
Ethylbenzene	20.0	18.5		ug/L		92	70 - 130
2-Hexanone	40.0	40.5		ug/L		101	60 - 148
Iodomethane	40.0	30.9		ug/L		77	50 - 150
Methylene Chloride	20.0	18.2		ug/L		91	57 - 130
4-Methyl-2-pentanone	40.0	38.2		ug/L		96	64 - 137
Styrene	20.0	18.8		ug/L		94	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.4		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
Tetrachloroethene	20.0	18.8		ug/L		94	50 - 143
Toluene	20.0	18.4		ug/L		92	70 - 131
trans-1,4-Dichloro-2-butene	40.0	39.1		ug/L		98	70 - 130
trans-1,2-Dichloroethene	20.0	17.5		ug/L		87	62 - 139
trans-1,3-Dichloropropene	20.0	18.5		ug/L		92	67 - 130
1,1,1-Trichloroethane	20.0	18.3		ug/L		92	63 - 132
1,1,2-Trichloroethane	20.0	18.7		ug/L		93	70 - 130
Trichloroethene	20.0	18.6		ug/L		93	63 - 139
Trichlorofluoromethane	20.0	22.6		ug/L		113	62 - 146
Trichloromethane	20.0	18.8		ug/L		94	68 - 130
1,2,3-Trichloropropane	20.0	17.7		ug/L		88	66 - 130
Vinyl acetate	20.0	20.9		ug/L		105	31 - 146
Vinyl chloride	20.0	20.3		ug/L		102	48 - 147
Xylenes, Total	60.0	55.8		ug/L		93	68 - 130

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

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52813-A-4 MS

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier			Limits	
Acetone	9.9	U	40.0	34.7		ug/L		87	62 - 142
Acrylonitrile	1.2	U	40.0	41.3		ug/L		103	59 - 146
Benzene	0.50	U	20.0	18.5		ug/L		92	68 - 134
Bromochloromethane	0.58	U	20.0	18.3		ug/L		92	70 - 130
Bromodichloromethane	0.35	U	20.0	19.0		ug/L		95	70 - 130
Bromoform	0.58	U	20.0	17.9		ug/L		90	65 - 130
Bromomethane	2.5	U	20.0	20.5		ug/L		102	22 - 150
2-Butanone	8.4	U	40.0	39.4		ug/L		99	63 - 140
Carbon disulfide	1.0	U	40.0	38.1		ug/L		95	30 - 150
Carbon tetrachloride	0.42	U	20.0	18.0		ug/L		90	61 - 134
Chlorobenzene	0.63	U	20.0	18.3		ug/L		92	70 - 130
Chloroethane	2.5	U	20.0	24.9		ug/L		125	39 - 150
Chloromethane	1.0	U	20.0	21.2		ug/L		106	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.4		ug/L		102	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	18.4		ug/L		92	70 - 130
Dibromochloromethane	0.34	U	20.0	18.6		ug/L		93	70 - 130
Dibromomethane	0.41	U	20.0	18.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	18.8		ug/L		94	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.2		ug/L		91	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.4		ug/L		92	66 - 130
1,2-Dichloroethane	0.57	U	20.0	18.6		ug/L		93	70 - 130
1,1-Dichloroethene	0.45	U	20.0	16.2		ug/L		81	51 - 150
1,2-Dichloropropane	0.52	U	20.0	19.3		ug/L		97	70 - 130
Ethylbenzene	0.44	U	20.0	18.5		ug/L		92	70 - 130
2-Hexanone	4.4	U	40.0	41.5		ug/L		104	60 - 148
Iodomethane	2.5	U	40.0	26.6		ug/L		66	50 - 150
Methylene Chloride	4.0	U	20.0	17.1		ug/L		86	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	42.2		ug/L		106	64 - 137
Styrene	0.98	U	20.0	18.7		ug/L		94	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.2		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.9		ug/L		94	70 - 130
Tetrachloroethene	0.50	U	20.0	17.7		ug/L		88	50 - 143
Toluene	0.51	U	20.0	18.7		ug/L		93	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	39.6		ug/L		99	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.1		ug/L		85	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	18.4		ug/L		92	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.7		ug/L		89	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	0.50	U	20.0	18.5		ug/L		93	63 - 139
Trichlorofluoromethane	2.5	U	20.0	23.7		ug/L		118	62 - 146
Trichloromethane	0.90	U	20.0	18.7		ug/L		93	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	19.6		ug/L		98	66 - 130
Vinyl acetate	1.5	U	20.0	22.6		ug/L		113	31 - 146
Vinyl chloride	0.50	U	20.0	21.2		ug/L		106	48 - 147
Xylenes, Total	0.50	U	60.0	55.6		ug/L		93	68 - 130

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52813-A-4 MS

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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

Lab Sample ID: 660-52813-B-3 DU

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample		DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromochloromethane	0.58	U	0.58	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	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
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	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
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30
1,1,1-Dichloroethene	0.45	U	0.45	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.44	U	0.44	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
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30
4-Methyl-2-pentanone	3.8	U	3.8	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
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

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52813-B-3 DU

Matrix: Water

Analysis Batch: 134763

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
Trichloromethane	0.90	U	0.90	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	DU	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 660-134832/6

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	9.9	U	20	9.9	ug/L			02/25/13 10:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/25/13 10:44	1
Benzene	0.50	U	1.0	0.50	ug/L			02/25/13 10:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/25/13 10:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/25/13 10:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/25/13 10:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/25/13 10:44	1
2-Butanone	8.4	U	10	8.4	ug/L			02/25/13 10:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/25/13 10:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/25/13 10:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/25/13 10:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/25/13 10:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/25/13 10:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/25/13 10:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/25/13 10:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/25/13 10:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/25/13 10:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/25/13 10:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/25/13 10:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/25/13 10:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/25/13 10:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/25/13 10:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/25/13 10:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/25/13 10:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/25/13 10:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/25/13 10:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/25/13 10:44	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/25/13 10:44	1
Styrene	0.98	U	2.0	0.98	ug/L			02/25/13 10:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/25/13 10:44	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/25/13 10:44	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: MB 660-134832/6

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/25/13 10:44	1
Toluene	0.51	U	1.0	0.51	ug/L			02/25/13 10:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/25/13 10:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/25/13 10:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/25/13 10:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/25/13 10:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/25/13 10:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/25/13 10:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/25/13 10:44	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/25/13 10:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/25/13 10:44	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/25/13 10:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/25/13 10:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/25/13 10:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	99		70 - 130		02/25/13 10:44	1
Dibromofluoromethane	101		70 - 130		02/25/13 10:44	1
Toluene-d8 (Surr)	101		70 - 130		02/25/13 10:44	1

Lab Sample ID: LCS 660-134832/4

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrylonitrile	40.0	30.3		ug/L		76	59 - 146
Benzene	20.0	15.1		ug/L		76	68 - 134
Bromochloromethane	20.0	15.3		ug/L		77	70 - 130
Bromodichloromethane	20.0	16.4		ug/L		82	70 - 130
Bromoform	20.0	16.8		ug/L		84	65 - 130
Bromomethane	20.0	31.0	J3	ug/L		155	22 - 150
2-Butanone	40.0	31.0		ug/L		78	63 - 140
Carbon disulfide	40.0	30.4		ug/L		76	30 - 150
Carbon tetrachloride	20.0	14.2		ug/L		71	61 - 134
Chlorobenzene	20.0	16.3		ug/L		82	70 - 130
Chloroethane	20.0	23.3		ug/L		116	39 - 150
Chloromethane	20.0	24.0		ug/L		120	35 - 150
cis-1,2-Dichloroethene	20.0	15.1		ug/L		75	66 - 130
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	70 - 130
Dibromochloromethane	20.0	16.3		ug/L		81	70 - 130
Dibromomethane	20.0	14.9		ug/L		75	70 - 130
1,2-Dichlorobenzene	20.0	16.6		ug/L		83	70 - 130
1,4-Dichlorobenzene	20.0	16.3		ug/L		81	70 - 130
1,1-Dichloroethane	20.0	14.9		ug/L		74	66 - 130
1,2-Dichloroethane	20.0	15.5		ug/L		78	70 - 130
1,1-Dichloroethane	20.0	10.6		ug/L		53	51 - 150
1,2-Dichloropropane	20.0	15.8		ug/L		79	70 - 130

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: LCS 660-134832/4

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	20.0	17.0		ug/L		85	70 - 130
2-Hexanone	40.0	37.6		ug/L		94	60 - 148
Iodomethane	40.0	30.1		ug/L		75	50 - 150
Methylene Chloride	20.0	14.1		ug/L		70	57 - 130
4-Methyl-2-pentanone	40.0	35.3		ug/L		88	64 - 137
Styrene	20.0	17.6		ug/L		88	68 - 131
1,1,1,2-Tetrachloroethane	20.0	17.0		ug/L		85	70 - 130
1,1,2,2-Tetrachloroethane	20.0	14.6		ug/L		73	70 - 130
Tetrachloroethene	20.0	16.4		ug/L		82	50 - 143
Toluene	20.0	15.3		ug/L		77	70 - 131
trans-1,4-Dichloro-2-butene	40.0	37.4		ug/L		94	70 - 130
trans-1,2-Dichloroethene	20.0	13.8		ug/L		69	62 - 139
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	67 - 130
1,1,1-Trichloroethane	20.0	15.8		ug/L		79	63 - 132
1,1,2-Trichloroethane	20.0	15.6		ug/L		78	70 - 130
Trichloroethene	20.0	15.2		ug/L		76	63 - 139
Trichlorofluoromethane	20.0	20.7		ug/L		103	62 - 146
Trichloromethane	20.0	15.9		ug/L		79	68 - 130
1,2,3-Trichloropropane	20.0	15.0		ug/L		75	66 - 130
Vinyl acetate	20.0	20.1		ug/L		101	31 - 146
Vinyl chloride	20.0	19.4		ug/L		97	48 - 147
Xylenes, Total	60.0	52.4		ug/L		87	68 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 660-52858-B-2 MS

Matrix: Water

Analysis Batch: 134832

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	40.0	28.7		ug/L		72	62 - 142
Acrylonitrile	1.2	U	40.0	30.7		ug/L		77	59 - 146
Benzene	0.50	U	20.0	14.3		ug/L		72	68 - 134
Bromochloromethane	0.58	U	20.0	14.0		ug/L		70	70 - 130
Bromodichloromethane	0.35	U	20.0	15.6		ug/L		78	70 - 130
Bromoform	0.58	U	20.0	15.5		ug/L		78	65 - 130
Bromomethane	2.5	U J3	20.0	23.4		ug/L		117	22 - 150
2-Butanone	8.4	U	40.0	31.1		ug/L		78	63 - 140
Carbon disulfide	1.0	U	40.0	27.9		ug/L		70	30 - 150
Carbon tetrachloride	0.42	U	20.0	14.2		ug/L		71	61 - 134
Chlorobenzene	0.63	U	20.0	14.9		ug/L		75	70 - 130
Chloroethane	2.5	U	20.0	21.2		ug/L		106	39 - 150
Chloromethane	1.0	U	20.0	26.1		ug/L		131	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	14.1		ug/L		70	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	14.9		ug/L		74	70 - 130

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52858-B-2 MS

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Dibromochloromethane	0.34	U	20.0	15.3		ug/L		77	70 - 130
Dibromomethane	0.41	U	20.0	14.7		ug/L		73	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	15.7		ug/L		79	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	15.0		ug/L		75	70 - 130
1,1-Dichloroethane	0.52	U	20.0	13.7		ug/L		69	66 - 130
1,2-Dichloroethane	0.57	U	20.0	15.0		ug/L		75	70 - 130
1,1-Dichloroethene	0.45	U	20.0	10.2		ug/L		51	51 - 150
1,2-Dichloropropane	0.52	U	20.0	14.4		ug/L		72	70 - 130
Ethylbenzene	0.44	U	20.0	15.8		ug/L		79	70 - 130
2-Hexanone	4.4	U	40.0	35.8		ug/L		90	60 - 148
Iodomethane	2.5	U	40.0	26.7		ug/L		67	50 - 150
Methylene Chloride	4.0	U	20.0	12.5		ug/L		62	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	36.5		ug/L		91	64 - 137
Styrene	0.98	U	20.0	16.2		ug/L		81	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	15.5		ug/L		78	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	15.1		ug/L		75	70 - 130
Tetrachloroethene	0.50	U	20.0	15.6		ug/L		78	50 - 143
Toluene	0.51	U	20.0	14.8		ug/L		74	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	37.6		ug/L		94	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	13.3		ug/L		66	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	15.3		ug/L		77	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	15.2		ug/L		76	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	14.6		ug/L		73	70 - 130
Trichloroethene	0.50	U	20.0	14.7		ug/L		74	63 - 139
Trichlorofluoromethane	2.5	U	20.0	23.4		ug/L		117	62 - 146
Trichloromethane	0.90	U	20.0	15.3		ug/L		77	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	15.3		ug/L		76	66 - 130
Vinyl acetate	1.5	U	20.0	20.5		ug/L		103	31 - 146
Vinyl chloride	0.50	U	20.0	21.1		ug/L		105	48 - 147
Xylenes, Total	0.50	U	60.0	48.5		ug/L		81	68 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 660-52858-B-1 DU

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD Limit
	Result	Qualifier	Result	Qualifier				
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromochloromethane	0.58	U	0.58	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 J3	2.5	U J3	ug/L		NC	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52858-B-1 DU

Matrix: Water

Analysis Batch: 134832

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
2-Butanone	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
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	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
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	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
Ethylbenzene	0.44	U	0.44	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
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30
4-Methyl-2-pentanone	3.8	U	3.8	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
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
Trichloromethane	0.90	U	0.90	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	DU	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	102		70 - 130

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 680-266868/9-A
Matrix: Water
Analysis Batch: 267007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 266868

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/20/13 16:22	02/20/13 22:41	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/20/13 16:22	02/20/13 22:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Pentachloroethane	103		60 - 144				02/20/13 16:22	02/20/13 22:41	1

Lab Sample ID: LCS 680-266868/10-A
Matrix: Water
Analysis Batch: 267007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 266868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.100	0.102		ug/L		102	66 - 126
1,2-Dibromo-3-Chloropropane	0.100	0.107		ug/L		107	70 - 148
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Pentachloroethane	113		60 - 144				

Lab Sample ID: LCSD 680-266868/11-A
Matrix: Water
Analysis Batch: 267007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 266868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide	0.100	0.0994		ug/L		99	66 - 126	2	30
1,2-Dibromo-3-Chloropropane	0.100	0.105		ug/L		105	70 - 148	2	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Pentachloroethane	117		60 - 144						

Lab Sample ID: 660-52743-1 MS
Matrix: Surface Water
Analysis Batch: 267007

Client Sample ID: 3C2
Prep Type: Total/NA
Prep Batch: 266868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Ethylene Dibromide	0.0021	U	0.0989	0.0960		ug/L		97	66 - 126
1,2-Dibromo-3-Chloropropane	0.0048	U	0.0989	0.132		ug/L		134	70 - 148
Surrogate	MS %Recovery	MS Qualifier	Limits						
Pentachloroethane	117		60 - 144						

Lab Sample ID: MB 680-267599/9-A
Matrix: Water
Analysis Batch: 267756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267599

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		02/27/13 14:03	02/27/13 20:20	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/27/13 14:03	02/27/13 20:20	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MB 680-267599/9-A
Matrix: Water
Analysis Batch: 267756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267599

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Pentachloroethane	103		60 - 144	02/27/13 14:03	02/27/13 20:20	1

Lab Sample ID: LCS 680-267599/10-A
Matrix: Water
Analysis Batch: 267756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Ethylene Dibromide	0.100	0.0971		ug/L		97	66 - 126	
1,2-Dibromo-3-Chloropropane	0.100	0.102		ug/L		102	70 - 148	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Pentachloroethane	110		60 - 144

Lab Sample ID: LCSD 680-267599/11-A
Matrix: Water
Analysis Batch: 267756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 267599

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Ethylene Dibromide	0.100	0.0963		ug/L		96	66 - 126	1	30	
1,2-Dibromo-3-Chloropropane	0.100	0.101		ug/L		101	70 - 148	2	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Pentachloroethane	114		60 - 144

Lab Sample ID: 660-52811-2 MS
Matrix: Ground Water
Analysis Batch: 267756

Client Sample ID: TH-66A
Prep Type: Total/NA
Prep Batch: 267599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Ethylene Dibromide	0.0022	U	0.102	0.101		ug/L		99	66 - 126	
1,2-Dibromo-3-Chloropropane	0.0050	U	0.102	0.100		ug/L		98	70 - 148	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Pentachloroethane	109		60 - 144

Lab Sample ID: MB 680-267601/1-A
Matrix: Water
Analysis Batch: 267802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267601

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		02/27/13 14:05	02/28/13 00:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Pentachloroethane	121		60 - 144	02/27/13 14:05	02/28/13 00:29	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 680-267601/2-A

Matrix: Water

Analysis Batch: 267802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 267601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.100	0.105		ug/L		105	66 - 126
1,2-Dibromo-3-Chloropropane	0.100	0.100		ug/L		100	70 - 148
Surrogate		LCS %Recovery	LCS Qualifier				Limits
Pentachloroethane		105					60 - 144

Lab Sample ID: LCSD 680-267601/3-A

Matrix: Water

Analysis Batch: 267802

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 267601

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Ethylene Dibromide	0.100	0.105		ug/L		105	66 - 126	0	30
1,2-Dibromo-3-Chloropropane	0.100	0.100		ug/L		100	70 - 148	0	30
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
Pentachloroethane		109					60 - 144		

Lab Sample ID: 660-52765-6 MS

Matrix: Ground Water

Analysis Batch: 267802

Client Sample ID: TH-36A

Prep Type: Total/NA

Prep Batch: 267601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.0023	U	0.102	0.104		ug/L		101	66 - 126
1,2-Dibromo-3-Chloropropane	0.0051	U	0.102	0.100		ug/L		98	70 - 148
Surrogate		MS %Recovery	MS Qualifier						Limits
Pentachloroethane		110							60 - 144

Lab Sample ID: MB 680-268130/9-A

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268130

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 21:57	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/04/13 21:57	1
Surrogate		MB %Recovery	MB Qualifier				Prepared	Analyzed	Dil Fac
Pentachloroethane		107					03/04/13 17:06	03/04/13 21:57	1

Lab Sample ID: LCS 680-268130/10-A

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.100	0.107		ug/L		107	66 - 126
1,2-Dibromo-3-Chloropropane	0.100	0.103		ug/L		103	70 - 148

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 680-268130/10-A
Matrix: Water
Analysis Batch: 268266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 268130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Pentachloroethane	108		60 - 144

Lab Sample ID: LCSD 680-268130/11-A
Matrix: Water
Analysis Batch: 268266

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 268130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	0.100	0.105		ug/L		105	66 - 126	2	30
1,2-Dibromo-3-Chloropropane	0.100	0.103		ug/L		103	70 - 148	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Pentachloroethane	108		60 - 144

Lab Sample ID: 660-52765-3 MS
Matrix: Ground Water
Analysis Batch: 268266

Client Sample ID: TH-71A
Prep Type: Total/NA
Prep Batch: 268130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.0022	U	0.103	0.107		ug/L		104	66 - 126
1,2-Dibromo-3-Chloropropane	0.0049	U	0.103	0.105		ug/L		102	70 - 148

Surrogate	MS %Recovery	MS Qualifier	Limits
Pentachloroethane	114		60 - 144

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-267417/1-A
Matrix: Water
Analysis Batch: 268368

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 07:49	02/26/13 15:17	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 07:49	02/26/13 15:17	1

Lab Sample ID: MB 680-267417/1-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 07:49	02/26/13 20:27	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 07:49	02/26/13 20:27	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 07:49	02/26/13 20:27	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 07:49	02/26/13 20:27	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 07:49	02/26/13 20:27	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 07:49	02/26/13 20:27	1
Iron	33	U	100	33	ug/L		02/26/13 07:49	02/26/13 20:27	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 07:49	02/26/13 20:27	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: MB 680-267417/1-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 07:49	02/26/13 20:27	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 07:49	02/26/13 20:27	1
Sodium	0.25	U	0.50	0.25	mg/L		02/26/13 07:49	02/26/13 20:27	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 07:49	02/26/13 20:27	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 07:49	02/26/13 20:27	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 07:49	02/26/13 20:27	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 07:49	02/26/13 20:27	1

Lab Sample ID: LCS 680-267417/2-A
Matrix: Water
Analysis Batch: 268368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Antimony	50.0	53.6		ug/L		107	75 - 125
Beryllium	50.0	50.3		ug/L		101	75 - 125

Lab Sample ID: LCS 680-267417/2-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Arsenic	100	104		ug/L		104	75 - 125
Barium	100	100		ug/L		100	75 - 125
Cadmium	50.0	49.9		ug/L		100	75 - 125
Chromium	100	93.3		ug/L		93	75 - 125
Cobalt	50.0	46.9		ug/L		94	75 - 125
Copper	100	93.9		ug/L		94	75 - 125
Iron	5000	5490		ug/L		110	75 - 125
Lead	50.0	43.8		ug/L		88	75 - 125
Nickel	100	92.7		ug/L		93	75 - 125
Selenium	100	111		ug/L		111	75 - 125
Sodium	5.00	5.32		mg/L		106	75 - 125
Silver	50.0	48.8		ug/L		98	75 - 125
Thallium	40.0	38.9		ug/L		97	75 - 125
Vanadium	100	92.3		ug/L		92	75 - 125
Zinc	100	111		ug/L		111	75 - 125

Lab Sample ID: 660-52783-H-1-C MS
Matrix: Water
Analysis Batch: 268368

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 267417

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Antimony	2.3	U	50.0	52.4		ug/L		105	75 - 125
Beryllium	0.40	I	50.0	49.6		ug/L		98	75 - 125

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 660-52783-H-1-C MS

Matrix: Water

Analysis Batch: 267614

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 267417

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Arsenic	1.8	I	100	102		ug/L		101	75 - 125	
Barium	72		100	168		ug/L		97	75 - 125	
Cadmium	0.27	I	50.0	50.0		ug/L		99	75 - 125	
Chromium	2.5	U	100	91.8		ug/L		92	75 - 125	
Cobalt	1.7		50.0	47.5		ug/L		92	75 - 125	
Copper	5.8		100	116		ug/L		110	75 - 125	
Iron	1800		5000	6690		ug/L		98	75 - 125	
Lead	1.2	I	50.0	46.1		ug/L		90	75 - 125	
Nickel	16		100	107		ug/L		91	75 - 125	
Selenium	1.0	I	100	103		ug/L		102	75 - 125	
Sodium	120000		5.00	126	J3	mg/L		-2421	75 - 125	
Silver	0.68	I	50.0	48.6		ug/L		96	75 - 125	
Thallium	0.60	I	40.0	39.2		ug/L		97	75 - 125	
Vanadium	3.8	U	100	91.1		ug/L		91	75 - 125	
Zinc	8.3	U	100	114		ug/L		114	75 - 125	

Lab Sample ID: 660-52783-H-1-D MSD

Matrix: Water

Analysis Batch: 268368

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 267417

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	2.3	U	50.0	55.4		ug/L		111	75 - 125	6	20	
Beryllium	0.40	I	50.0	52.2		ug/L		104	75 - 125	5	20	

Lab Sample ID: 660-52783-H-1-D MSD

Matrix: Water

Analysis Batch: 267614

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 267417

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Arsenic	1.8	I	100	102		ug/L		100	75 - 125	0	20	
Barium	72		100	165		ug/L		94	75 - 125	2	20	
Cadmium	0.27	I	50.0	49.9		ug/L		99	75 - 125	0	20	
Chromium	2.5	U	100	91.9		ug/L		92	75 - 125	0	20	
Cobalt	1.7		50.0	46.8		ug/L		90	75 - 125	2	20	
Copper	5.8		100	97.5		ug/L		92	75 - 125	17	20	
Iron	1800		5000	6860		ug/L		102	75 - 125	3	20	
Lead	1.2	I	50.0	45.2		ug/L		88	75 - 125	2	20	
Nickel	16		100	107		ug/L		91	75 - 125	0	20	
Selenium	1.0	I	100	103		ug/L		102	75 - 125	1	20	
Sodium	120000		5.00	131	J3	mg/L		-2421	75 - 125	4	20	
Silver	0.68	I	50.0	47.6		ug/L		94	75 - 125	2	20	
Thallium	0.60	I	40.0	38.4		ug/L		94	75 - 125	2	20	
Vanadium	3.8	U	100	91.2		ug/L		91	75 - 125	0	20	
Zinc	8.3	U	100	113		ug/L		113	75 - 125	1	20	

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: MB 680-267488/1-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 00:02	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 00:02	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 00:02	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 00:02	1
Iron	33	U	100	33	ug/L		02/26/13 12:47	02/27/13 00:02	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 00:02	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 00:02	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 00:02	1
Sodium	0.25	U	0.50	0.25	mg/L		02/26/13 12:47	02/27/13 00:02	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 00:02	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 00:02	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 00:02	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 00:02	1

Lab Sample ID: MB 680-267488/1-A
Matrix: Water
Analysis Batch: 267613

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 10:39	1

Lab Sample ID: LCS 680-267488/2-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	53.3		ug/L		107	75 - 125
Arsenic	100	110		ug/L		110	75 - 125
Barium	100	102		ug/L		102	75 - 125
Cadmium	50.0	53.8		ug/L		108	75 - 125
Chromium	100	101		ug/L		101	75 - 125
Cobalt	50.0	49.9		ug/L		100	75 - 125
Copper	100	102		ug/L		102	75 - 125
Iron	5000	5460		ug/L		109	75 - 125
Lead	50.0	47.8		ug/L		96	75 - 125
Nickel	100	101		ug/L		101	75 - 125
Selenium	100	111		ug/L		111	75 - 125
Sodium	5.00	5.17		mg/L		103	75 - 125
Silver	50.0	51.4		ug/L		103	75 - 125
Thallium	40.0	40.4		ug/L		101	75 - 125
Vanadium	100	99.6		ug/L		100	75 - 125
Zinc	100	116		ug/L		116	75 - 125

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: LCS 680-267488/2-A
Matrix: Water
Analysis Batch: 267613

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	50.0	46.3		ug/L		93	75 - 125

Lab Sample ID: 640-42360-L-1-B MS
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	52.6		ug/L		105	75 - 125
Arsenic	1.3	U	100	104		ug/L		104	75 - 125
Barium	8.9		100	108		ug/L		99	75 - 125
Cadmium	0.095	U	50.0	50.8		ug/L		102	75 - 125
Chromium	2.5	U	100	93.4		ug/L		93	75 - 125
Cobalt	0.15	U	50.0	46.6		ug/L		93	75 - 125
Copper	1.5	I	100	95.4		ug/L		94	75 - 125
Iron	69	I	5000	5150		ug/L		102	75 - 125
Lead	0.20	I	50.0	45.2		ug/L		90	75 - 125
Nickel	2.0	U	100	93.8		ug/L		94	75 - 125
Selenium	1.6	I	100	105		ug/L		104	75 - 125
Sodium	4.0		5.00	8.48		mg/L		90	75 - 125
Silver	0.25	U	50.0	49.5		ug/L		99	75 - 125
Thallium	0.50	U	40.0	38.4		ug/L		96	75 - 125
Vanadium	4.3	I	100	95.8		ug/L		91	75 - 125
Zinc	8.3	U	100	107		ug/L		107	75 - 125

Lab Sample ID: 640-42360-L-1-B MS
Matrix: Water
Analysis Batch: 267613

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.25	U	50.0	47.9		ug/L		96	75 - 125

Lab Sample ID: 640-42360-L-1-C MSD
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2.3	U	50.0	58.4		ug/L		117	75 - 125	11	20
Arsenic	1.3	U	100	112		ug/L		112	75 - 125	7	20
Barium	8.9		100	112		ug/L		103	75 - 125	4	20
Cadmium	0.095	U	50.0	53.2		ug/L		106	75 - 125	5	20
Chromium	2.5	U	100	100		ug/L		100	75 - 125	7	20
Cobalt	0.15	U	50.0	48.9		ug/L		98	75 - 125	5	20
Copper	1.5	I	100	102		ug/L		101	75 - 125	7	20
Iron	69	I	5000	5600		ug/L		111	75 - 125	8	20
Lead	0.20	I	50.0	48.2		ug/L		96	75 - 125	7	20
Nickel	2.0	U	100	100		ug/L		100	75 - 125	7	20
Selenium	1.6	I	100	116		ug/L		115	75 - 125	10	20
Sodium	4.0		5.00	9.20		mg/L		105	75 - 125	8	20
Silver	0.25	U	50.0	51.8		ug/L		104	75 - 125	5	20

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 640-42360-L-1-C MSD
 Matrix: Water
 Analysis Batch: 267614

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total Recoverable
 Prep Batch: 267488

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Thallium	0.50	U	40.0	41.3		ug/L		103	75 - 125	7	20
Vanadium	4.3	I	100	102		ug/L		97	75 - 125	6	20
Zinc	8.3	U	100	113		ug/L		113	75 - 125	6	20

Lab Sample ID: 640-42360-L-1-C MSD
 Matrix: Water
 Analysis Batch: 267613

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total Recoverable
 Prep Batch: 267488

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Beryllium	0.25	U	50.0	46.6		ug/L		93	75 - 125	3	20

Method: 7470A - Mercury

Lab Sample ID: MB 680-266950/1-A
 Matrix: Water
 Analysis Batch: 267164

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 266950

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.442		0.20	0.091	ug/L		02/21/13 10:24	02/22/13 12:47	1

Lab Sample ID: LCS 680-266950/2-A
 Matrix: Water
 Analysis Batch: 267164

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 266950

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	2.50	2.64		ug/L		105	80 - 120

Lab Sample ID: 660-52743-5 MS
 Matrix: Ground Water
 Analysis Batch: 267164

Client Sample ID: BARNES
 Prep Type: Total/NA
 Prep Batch: 266950

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	0.091	U	1.00	1.04		ug/L		104	80 - 120

Lab Sample ID: 660-52743-5 MSD
 Matrix: Ground Water
 Analysis Batch: 267164

Client Sample ID: BARNES
 Prep Type: Total/NA
 Prep Batch: 266950

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	0.091	U	1.00	1.06		ug/L		106	80 - 120	2	20

Lab Sample ID: MB 680-266956/1-A
 Matrix: Water
 Analysis Batch: 267164

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 266956

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.091	U	0.20	0.091	ug/L		02/21/13 11:02	02/22/13 12:05	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 7470A - Mercury (Continued)

Lab Sample ID: LCS 680-266956/2-A
Matrix: Water
Analysis Batch: 267164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 266956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.70		ug/L		108	80 - 120

Lab Sample ID: 660-52765-1 MS
Matrix: Ground Water
Analysis Batch: 267164

Client Sample ID: TH-19
Prep Type: Total/NA
Prep Batch: 266956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.993		ug/L		99	80 - 120

Lab Sample ID: 660-52765-1 MSD
Matrix: Ground Water
Analysis Batch: 267164

Client Sample ID: TH-19
Prep Type: Total/NA
Prep Batch: 266956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U	1.00	0.981		ug/L		98	80 - 120	1	20

Lab Sample ID: MB 680-267091/1-A
Matrix: Water
Analysis Batch: 267505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267091

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 12:50	1

Lab Sample ID: LCS 680-267091/2-A
Matrix: Water
Analysis Batch: 267505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.53		ug/L		101	80 - 120

Lab Sample ID: 660-52811-1 MS
Matrix: Ground Water
Analysis Batch: 267505

Client Sample ID: TH-65
Prep Type: Total/NA
Prep Batch: 267091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.988		ug/L		99	80 - 120

Lab Sample ID: 660-52811-1 MSD
Matrix: Ground Water
Analysis Batch: 267505

Client Sample ID: TH-65
Prep Type: Total/NA
Prep Batch: 267091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U	1.00	0.981		ug/L		98	80 - 120	1	20

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Lab Sample ID: MB 680-267683/1
 Matrix: Water
 Analysis Batch: 267683

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	3.3	U	3.3	3.3	mg/L			02/26/13 20:27	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-267409/2
 Matrix: Water
 Analysis Batch: 267409

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/23/13 13:35	5

Lab Sample ID: LCS 680-267409/3
 Matrix: Water
 Analysis Batch: 267409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-267409/4
 Matrix: Water
 Analysis Batch: 267409

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
Chloride	50.0	49.7		mg/L		99	90 - 110	0	30

Lab Sample ID: 660-52811-1 MS
 Matrix: Ground Water
 Analysis Batch: 267409

Client Sample ID: TH-65
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16		50.0	67.9		mg/L		105	90 - 110

Lab Sample ID: 660-52811-1 MSD
 Matrix: Ground Water
 Analysis Batch: 267409

Client Sample ID: TH-65
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	16		50.0	67.7		mg/L		104	90 - 110	0	30

Lab Sample ID: MB 680-267485/2
 Matrix: Water
 Analysis Batch: 267485

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/25/13 23:54	5

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-267485/3

Matrix: Water

Analysis Batch: 267485

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-267485/4

Matrix: Water

Analysis Batch: 267485

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
Chloride	50.0	49.6		mg/L		99	90 - 110	0	30

Lab Sample ID: 660-52765-1 MS

Matrix: Ground Water

Analysis Batch: 267485

Client Sample ID: TH-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.6		50.0	59.2		mg/L		103	90 - 110

Lab Sample ID: MB 680-267639/2

Matrix: Water

Analysis Batch: 267639

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	1.0	0.20	mg/L			02/26/13 10:28	1

Lab Sample ID: LCS 680-267639/3

Matrix: Water

Analysis Batch: 267639

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	9.97		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-267639/4

Matrix: Water

Analysis Batch: 267639

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
Chloride	10.0	9.97		mg/L		100	90 - 110	0	30

Lab Sample ID: 660-52743-4 MS

Matrix: Ground Water

Analysis Batch: 267639

Client Sample ID: KEEN JR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	11		10.0	20.7		mg/L		100	90 - 110

Lab Sample ID: 660-52743-4 MSD

Matrix: Ground Water

Analysis Batch: 267639

Client Sample ID: KEEN JR

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11		10.0	20.7		mg/L		101	90 - 110	0	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Lab Sample ID: MB 680-267640/2
Matrix: Water
Analysis Batch: 267640

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/26/13 10:28	5

Lab Sample ID: LCS 680-267640/3
Matrix: Water
Analysis Batch: 267640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.9		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-267640/4
Matrix: Water
Analysis Batch: 267640

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
Chloride	50.0	49.8		mg/L		100	90 - 110	0	30

Lab Sample ID: 660-52765-6 MS
Matrix: Ground Water
Analysis Batch: 267640

Client Sample ID: TH-36A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.8	I	50.0	54.1		mg/L		103	90 - 110

Lab Sample ID: 660-52765-6 MSD
Matrix: Ground Water
Analysis Batch: 267640

Client Sample ID: TH-36A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.8	I	50.0	53.8		mg/L		102	90 - 110	1	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-267205/15
Matrix: Water
Analysis Batch: 267205

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/22/13 17:56	1

Lab Sample ID: LCS 680-267205/1
Matrix: Water
Analysis Batch: 267205

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	1.00	1.08		mg/L		108	90 - 110

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 660-52783-F-1 MS

Matrix: Water

Analysis Batch: 267205

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
Ammonia as N	1.9		1.00	2.87		mg/L		92	90 - 110

Lab Sample ID: 660-52783-F-1 MSD

Matrix: Water

Analysis Batch: 267205

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
Ammonia as N	1.9		1.00	2.85		mg/L		90	90 - 110	1	30

Lab Sample ID: 640-42348-B-2 DU

Matrix: Water

Analysis Batch: 267205

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	0.11		0.110		mg/L		0.06	30

Lab Sample ID: MB 680-267533/12

Matrix: Water

Analysis Batch: 267533

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/26/13 13:01	1

Lab Sample ID: LCS 680-267533/11

Matrix: Water

Analysis Batch: 267533

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	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: 660-52743-5 MS

Matrix: Ground Water

Analysis Batch: 267533

Client Sample ID: BARNES

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.12	J3	1.00	0.581	J3	mg/L		46	90 - 110

Lab Sample ID: 660-52743-5 MSD

Matrix: Ground Water

Analysis Batch: 267533

Client Sample ID: BARNES

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	0.12	J3	1.00	0.594	J3	mg/L		47	90 - 110	2	30

Lab Sample ID: 460-51026-G-1 DU

Matrix: Water

Analysis Batch: 267533

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	0.26		0.254		mg/L		0.6	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Lab Sample ID: MB 680-267534/2
Matrix: Water
Analysis Batch: 267534

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/26/13 13:10	1

Lab Sample ID: LCS 680-267534/1
Matrix: Water
Analysis Batch: 267534

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	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: 660-52743-6 MS
Matrix: Ground Water
Analysis Batch: 267534

Client Sample ID: HOLLAND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.081	J3	1.00	0.900	J3	mg/L		82	90 - 110

Lab Sample ID: 660-52743-6 MSD
Matrix: Ground Water
Analysis Batch: 267534

Client Sample ID: HOLLAND
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	0.081	J3	1.00	0.897	J3	mg/L		82	90 - 110	0	30

Lab Sample ID: 640-42377-B-3 DU
Matrix: Water
Analysis Batch: 267534

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	0.064		0.0630		mg/L		2	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-134681/5
Matrix: Water
Analysis Batch: 134681

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 07:15	1

Lab Sample ID: LCS 660-134681/6
Matrix: Water
Analysis Batch: 134681

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	0.955		mg/L		96	90 - 110
Nitrite as N	0.500	0.492	I	mg/L		98	90 - 110
Nitrite Nitrogen	0.500	0.492	I	mg/L		98	90 - 110

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-52743-1 MS
Matrix: Surface Water
Analysis Batch: 134681

Client Sample ID: 3C2
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Nitrate Nitrite as N	0.10	U	1.00	0.939		mg/L		94		90 - 110
Nitrite as N	0.10		0.500	0.482	I	mg/L		96		90 - 110
Nitrite Nitrogen	0.10	U	0.500	0.482	I	mg/L		96		90 - 110

Lab Sample ID: 660-52743-1 MSD
Matrix: Surface Water
Analysis Batch: 134681

Client Sample ID: 3C2
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Nitrate Nitrite as N	0.10	U	1.00	0.938		mg/L		94		90 - 110	0	30
Nitrite as N	0.10		0.500	0.482	I	mg/L		96		90 - 110	0	30
Nitrite Nitrogen	0.10	U	0.500	0.482	I	mg/L		96		90 - 110	0	30

Lab Sample ID: MB 660-134684/7
Matrix: Water
Analysis Batch: 134684

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/20/13 14:26	1

Lab Sample ID: LCS 660-134684/8
Matrix: Water
Analysis Batch: 134684

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

Analyte	Spike	Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
			Result	Qualifier					
Nitrate Nitrite as N	1.00		0.942		mg/L		94		90 - 110
Nitrite as N	0.500		0.492	I	mg/L		98		90 - 110

Lab Sample ID: 660-52765-1 MS
Matrix: Ground Water
Analysis Batch: 134684

Client Sample ID: TH-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Nitrate Nitrite as N	0.10		1.00	0.935		mg/L		94		90 - 110
Nitrite as N	0.10		0.500	0.490	I	mg/L		98		90 - 110

Lab Sample ID: 660-52765-1 MSD
Matrix: Ground Water
Analysis Batch: 134684

Client Sample ID: TH-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Nitrate Nitrite as N	0.10		1.00	0.932		mg/L		93		90 - 110	0	30
Nitrite as N	0.10		0.500	0.490	I	mg/L		98		90 - 110	0	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-52765-10 MS

Matrix: Ground Water

Analysis Batch: 134684

Client Sample ID: TH-61A

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Nitrate Nitrite as N	0.10		1.00	0.918		mg/L		92	90 - 110	
Nitrite as N	0.10		0.500	0.485	I	mg/L		97	90 - 110	

Lab Sample ID: 660-52765-10 MSD

Matrix: Ground Water

Analysis Batch: 134684

Client Sample ID: TH-61A

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
Nitrate Nitrite as N	0.10		1.00	0.913		mg/L		91	90 - 110	1	30	
Nitrite as N	0.10		0.500	0.485	I	mg/L		97	90 - 110	0	30	

Lab Sample ID: MB 660-134759/5

Matrix: Water

Analysis Batch: 134759

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1

Lab Sample ID: LCS 660-134759/6

Matrix: Water

Analysis Batch: 134759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
Nitrate Nitrite as N	1.00	0.954		mg/L		95	90 - 110	
Nitrite as N	0.500	0.495	I	mg/L		99	90 - 110	

Lab Sample ID: 660-52811-7 MS

Matrix: Ground Water

Analysis Batch: 134759

Client Sample ID: TH-28A

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Nitrate Nitrite as N	0.10		1.00	0.810	J3	mg/L		81	90 - 110	
Nitrite as N	0.10		0.500	0.416	I J3	mg/L		83	90 - 110	

Lab Sample ID: 660-52811-7 MSD

Matrix: Ground Water

Analysis Batch: 134759

Client Sample ID: TH-28A

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
Nitrate Nitrite as N	0.10		1.00	0.807	J3	mg/L		81	90 - 110	0	30	
Nitrite as N	0.10		0.500	0.414	I J3	mg/L		83	90 - 110	0	30	

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 680-266926/2-A

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266926

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	0.041	U	0.10	0.041	mg/L		02/20/13 11:00	02/21/13 14:08	1

Lab Sample ID: LCS 680-266926/1-A

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	2.00	2.15		mg/L		107	60 - 140

Lab Sample ID: 660-52730-C-1-B MS

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 266926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	44		2.00	46.4		mg/L		135	60 - 140

Lab Sample ID: 660-52730-C-1-C MSD

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 266926

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phosphorus, Total	44		2.00	45.1		mg/L		69	60 - 140	3	40

Lab Sample ID: 660-52731-C-1-B DU

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 266926

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phosphorus, Total	42			39.2		mg/L				7	40

Lab Sample ID: MB 680-266930/2-A

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 266930

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	0.041	U	0.10	0.041	mg/L		02/20/13 11:00	02/21/13 14:41	1

Lab Sample ID: LCS 680-266930/1-A

Matrix: Water

Analysis Batch: 267018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 266930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	2.00	1.84		mg/L		92	60 - 140

Lab Sample ID: 660-52743-1 MS

Matrix: Surface Water

Analysis Batch: 267018

Client Sample ID: 3C2

Prep Type: Total/NA

Prep Batch: 266930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	0.39		2.00	2.56		mg/L		109	60 - 140

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Lab Sample ID: 660-52743-1 MSD
Matrix: Surface Water
Analysis Batch: 267018

Client Sample ID: 3C2
Prep Type: Total/NA
Prep Batch: 266930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phosphorus, Total	0.39		2.00	2.49		mg/L		105	60 - 140	3	40

Method: 5210B - BOD-5

Lab Sample ID: SCB 660-134608/2 SCB
Matrix: Water
Analysis Batch: 134608

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

Analyte	SCB Result	SCB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/19/13 08:35	1

Lab Sample ID: USB 660-134608/1 USB
Matrix: Water
Analysis Batch: 134608

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

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/19/13 08:35	1

Lab Sample ID: LCS 660-134608/3
Matrix: Water
Analysis Batch: 134608

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	187		mg/L		95	85 - 115

Lab Sample ID: 660-52751-A-1 DU
Matrix: Water
Analysis Batch: 134608

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	160		155		mg/L		1	20

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

Lab Sample ID: MB 660-134735/1
Matrix: Water
Analysis Batch: 134735

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/22/13 07:13	1

Lab Sample ID: LCS 660-134735/2
Matrix: Water
Analysis Batch: 134735

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	9930		mg/L		99	80 - 120

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

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

Lab Sample ID: 640-42357-A-1 DU
Matrix: Water
Analysis Batch: 134735

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	270		268		mg/L		1	20

Lab Sample ID: MB 660-134802/1
Matrix: Water
Analysis Batch: 134802

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/25/13 10:20	1

Lab Sample ID: LCS 660-134802/2
Matrix: Water
Analysis Batch: 134802

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	10000		mg/L		100	80 - 120

Lab Sample ID: 660-52771-A-1 DU
Matrix: Water
Analysis Batch: 134802

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	680		780		mg/L		14	20

Lab Sample ID: 660-52811-3 DU
Matrix: Ground Water
Analysis Batch: 134802

Client Sample ID: TH-67
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	350		373		mg/L		7	20

Lab Sample ID: MB 660-134834/1
Matrix: Water
Analysis Batch: 134834

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/26/13 08:41	1

Lab Sample ID: LCS 660-134834/2
Matrix: Water
Analysis Batch: 134834

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	9930		mg/L		99	80 - 120

Lab Sample ID: 640-42378-A-2 DU
Matrix: Water
Analysis Batch: 134834

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	1300		1330		mg/L		0.8	20

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 660-134790/1
Matrix: Water
Analysis Batch: 134790

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/25/13 07:02	1

Lab Sample ID: LCS 660-134790/2
Matrix: Water
Analysis Batch: 134790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	97.6		mg/L		98	80 - 120

Lab Sample ID: 660-52770-B-5 DU
Matrix: Water
Analysis Batch: 134790

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	31		31.6		mg/L		1	20

Method: SM 5220D - COD

Lab Sample ID: MB 680-267491/3
Matrix: Water
Analysis Batch: 267491

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	6.3	U	20	6.3	mg/L			02/26/13 13:07	1

Lab Sample ID: LCS 680-267491/4
Matrix: Water
Analysis Batch: 267491

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	100	94.7		mg/L		95	90 - 110

Lab Sample ID: 660-52743-2 MS
Matrix: Surface Water
Analysis Batch: 267491

Client Sample ID: MINE CUT 1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	61		100	161		mg/L		100	90 - 110

Lab Sample ID: 660-52743-2 MSD
Matrix: Surface Water
Analysis Batch: 267491

Client Sample ID: MINE CUT 1D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	61		100	161		mg/L		100	90 - 110	0	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: SM 5310C - TOC

Lab Sample ID: MB 640-99580/7

Matrix: Water

Analysis Batch: 99580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/20/13 19:17	1

Lab Sample ID: LCS 640-99580/8

Matrix: Water

Analysis Batch: 99580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	10.0	10.4		mg/L		104	80 - 120

Lab Sample ID: LCSD 640-99580/9

Matrix: Water

Analysis Batch: 99580

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
Total Organic Carbon	10.0	10.4		mg/L		104	80 - 120	0	25

Lab Sample ID: 660-52743-1 MS

Matrix: Surface Water

Analysis Batch: 99580

Client Sample ID: 3C2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	12		20.0	31.9		mg/L		101	80 - 120

Lab Sample ID: 660-52743-1 MSD

Matrix: Surface Water

Analysis Batch: 99580

Client Sample ID: 3C2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	12		20.0	32.0		mg/L		102	80 - 120	0	25

Lab Sample ID: 660-52743-1 DU

Matrix: Surface Water

Analysis Batch: 99580

Client Sample ID: 3C2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	12		20.0	11.6		mg/L				0.3	25

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 660-134704/1

Matrix: Water

Analysis Batch: 134704

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1.0	U	1.0	1.0	MPN/100mL			02/18/13 16:40	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter) (Continued)

Lab Sample ID: 660-52743-1 DU
 Matrix: Surface Water
 Analysis Batch: 134704

Client Sample ID: 3C2
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Coliform, Fecal	350		260		MPN/100mL		30	50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

GC/MS VOA

Analysis Batch: 134741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	8260B	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	8260B	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	8260B	
660-52743-4	KEEN JR	Total/NA	Ground Water	8260B	
660-52743-4 DU	KEEN JR	Total/NA	Ground Water	8260B	
660-52743-5	BARNES	Total/NA	Ground Water	8260B	
660-52743-5 MS	BARNES	Total/NA	Ground Water	8260B	
660-52743-6	HOLLAND	Total/NA	Ground Water	8260B	
660-52743-7	WEEKS	Total/NA	Ground Water	8260B	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	8260B	
660-52743-9	BLANK TRAVEL 52743	Total/NA	Water	8260B	
660-52765-1	TH-19	Total/NA	Ground Water	8260B	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	8260B	
660-52765-3	TH-71A	Total/NA	Ground Water	8260B	
660-52765-4	TH-70A	Total/NA	Ground Water	8260B	
660-52765-5	TH-69A	Total/NA	Ground Water	8260B	
660-52765-6	TH-36A	Total/NA	Ground Water	8260B	
660-52765-7	TH-40	Total/NA	Ground Water	8260B	
660-52765-8	TH-68	Total/NA	Ground Water	8260B	
660-52765-9	TH-64	Total/NA	Ground Water	8260B	
660-52765-10	TH-61A	Total/NA	Ground Water	8260B	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	8260B	
LCS 660-134741/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-134741/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 134763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	8260B	
660-52811-2	TH-66A	Total/NA	Ground Water	8260B	
660-52811-3	TH-67	Total/NA	Ground Water	8260B	
660-52811-4	TH-22A	Total/NA	Ground Water	8260B	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	8260B	
660-52811-6	TH-57	Total/NA	Ground Water	8260B	
660-52811-7	TH-28A	Total/NA	Ground Water	8260B	
660-52811-8	TH-58	Total/NA	Ground Water	8260B	
660-52811-9	BLANK TRAVEL 52811	Total/NA	Water	8260B	
660-52813-A-4 MS	Matrix Spike	Total/NA	Water	8260B	
660-52813-B-3 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-134763/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-134763/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 134832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-12	BLANK TRAVEL 52765	Total/NA	Water	8260B	
660-52858-B-1 DU	Duplicate	Total/NA	Water	8260B	
660-52858-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-134832/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-134832/6	Method Blank	Total/NA	Water	8260B	

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

GC Semi VOA

Prep Batch: 266868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	8011	
660-52743-1 MS	3C2	Total/NA	Surface Water	8011	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	8011	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	8011	
660-52743-4	KEEN JR	Total/NA	Ground Water	8011	
660-52743-5	BARNES	Total/NA	Ground Water	8011	
660-52743-6	HOLLAND	Total/NA	Ground Water	8011	
660-52743-7	WEEKS	Total/NA	Ground Water	8011	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	8011	
LCS 680-266868/10-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-266868/11-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-266868/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 267007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	8011	266868
660-52743-1 MS	3C2	Total/NA	Surface Water	8011	266868
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	8011	266868
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	8011	266868
660-52743-4	KEEN JR	Total/NA	Ground Water	8011	266868
660-52743-5	BARNES	Total/NA	Ground Water	8011	266868
660-52743-6	HOLLAND	Total/NA	Ground Water	8011	266868
660-52743-7	WEEKS	Total/NA	Ground Water	8011	266868
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	8011	266868
LCS 680-266868/10-A	Lab Control Sample	Total/NA	Water	8011	266868
LCSD 680-266868/11-A	Lab Control Sample Dup	Total/NA	Water	8011	266868
MB 680-266868/9-A	Method Blank	Total/NA	Water	8011	266868

Prep Batch: 267599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-2	TH-66A	Total/NA	Ground Water	8011	
660-52811-2 MS	TH-66A	Total/NA	Ground Water	8011	
LCS 680-267599/10-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-267599/11-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-267599/9-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 267601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-5	TH-69A	Total/NA	Ground Water	8011	
660-52765-6	TH-36A	Total/NA	Ground Water	8011	
660-52765-6 MS	TH-36A	Total/NA	Ground Water	8011	
660-52765-7	TH-40	Total/NA	Ground Water	8011	
660-52765-8	TH-68	Total/NA	Ground Water	8011	
660-52765-9	TH-64	Total/NA	Ground Water	8011	
660-52765-10	TH-61A	Total/NA	Ground Water	8011	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	8011	
LCS 680-267601/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-267601/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-267601/1-A	Method Blank	Total/NA	Water	8011	

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

GC Semi VOA (Continued)

Analysis Batch: 267756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-2	TH-66A	Total/NA	Ground Water	8011	267599
660-52811-2 MS	TH-66A	Total/NA	Ground Water	8011	267599
LCS 680-267599/10-A	Lab Control Sample	Total/NA	Water	8011	267599
LCSD 680-267599/11-A	Lab Control Sample Dup	Total/NA	Water	8011	267599
MB 680-267599/9-A	Method Blank	Total/NA	Water	8011	267599

Analysis Batch: 267802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-5	TH-69A	Total/NA	Ground Water	8011	267601
660-52765-6	TH-36A	Total/NA	Ground Water	8011	267601
660-52765-6 MS	TH-36A	Total/NA	Ground Water	8011	267601
660-52765-7	TH-40	Total/NA	Ground Water	8011	267601
660-52765-8	TH-68	Total/NA	Ground Water	8011	267601
660-52765-9	TH-64	Total/NA	Ground Water	8011	267601
660-52765-10	TH-61A	Total/NA	Ground Water	8011	267601
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	8011	267601
LCS 680-267601/2-A	Lab Control Sample	Total/NA	Water	8011	267601
LCSD 680-267601/3-A	Lab Control Sample Dup	Total/NA	Water	8011	267601
MB 680-267601/1-A	Method Blank	Total/NA	Water	8011	267601

Prep Batch: 268130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	8011	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	8011	
660-52765-3	TH-71A	Total/NA	Ground Water	8011	
660-52765-3 MS	TH-71A	Total/NA	Ground Water	8011	
660-52765-4	TH-70A	Total/NA	Ground Water	8011	
660-52811-1	TH-65	Total/NA	Ground Water	8011	
660-52811-3	TH-67	Total/NA	Ground Water	8011	
660-52811-4	TH-22A	Total/NA	Ground Water	8011	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	8011	
660-52811-6	TH-57	Total/NA	Ground Water	8011	
660-52811-7	TH-28A	Total/NA	Ground Water	8011	
660-52811-8	TH-58	Total/NA	Ground Water	8011	
LCS 680-268130/10-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-268130/11-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-268130/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 268266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	8011	268130
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	8011	268130
660-52765-3	TH-71A	Total/NA	Ground Water	8011	268130
660-52765-3 MS	TH-71A	Total/NA	Ground Water	8011	268130
660-52765-4	TH-70A	Total/NA	Ground Water	8011	268130
660-52811-1	TH-65	Total/NA	Ground Water	8011	268130
660-52811-3	TH-67	Total/NA	Ground Water	8011	268130
660-52811-4	TH-22A	Total/NA	Ground Water	8011	268130
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	8011	268130
660-52811-6	TH-57	Total/NA	Ground Water	8011	268130
660-52811-7	TH-28A	Total/NA	Ground Water	8011	268130

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

GC Semi VOA (Continued)

Analysis Batch: 268266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-8	TH-58	Total/NA	Ground Water	8011	268130
LCS 680-268130/10-A	Lab Control Sample	Total/NA	Water	8011	268130
LCS 680-268130/11-A	Lab Control Sample Dup	Total/NA	Water	8011	268130
MB 680-268130/9-A	Method Blank	Total/NA	Water	8011	268130

Metals

Prep Batch: 266950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	7470A	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	7470A	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	7470A	
660-52743-4	KEEN JR	Total/NA	Ground Water	7470A	
660-52743-5	BARNES	Total/NA	Ground Water	7470A	
660-52743-5 MS	BARNES	Total/NA	Ground Water	7470A	
660-52743-5 MSD	BARNES	Total/NA	Ground Water	7470A	
660-52743-6	HOLLAND	Total/NA	Ground Water	7470A	
660-52743-7	WEEKS	Total/NA	Ground Water	7470A	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	7470A	
LCS 680-266950/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-266950/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 266956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	7470A	
660-52765-1 MS	TH-19	Total/NA	Ground Water	7470A	
660-52765-1 MSD	TH-19	Total/NA	Ground Water	7470A	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	7470A	
660-52765-3	TH-71A	Total/NA	Ground Water	7470A	
660-52765-4	TH-70A	Total/NA	Ground Water	7470A	
660-52765-5	TH-69A	Total/NA	Ground Water	7470A	
660-52765-6	TH-36A	Total/NA	Ground Water	7470A	
660-52765-7	TH-40	Total/NA	Ground Water	7470A	
660-52765-8	TH-68	Total/NA	Ground Water	7470A	
660-52765-9	TH-64	Total/NA	Ground Water	7470A	
660-52765-10	TH-61A	Total/NA	Ground Water	7470A	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	7470A	
LCS 680-266956/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-266956/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 267091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	7470A	
660-52811-1 MS	TH-65	Total/NA	Ground Water	7470A	
660-52811-1 MSD	TH-65	Total/NA	Ground Water	7470A	
660-52811-2	TH-66A	Total/NA	Ground Water	7470A	
660-52811-3	TH-67	Total/NA	Ground Water	7470A	
660-52811-4	TH-22A	Total/NA	Ground Water	7470A	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	7470A	
660-52811-6	TH-57	Total/NA	Ground Water	7470A	

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Metals (Continued)

Prep Batch: 267091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-7	TH-28A	Total/NA	Ground Water	7470A	
660-52811-8	TH-58	Total/NA	Ground Water	7470A	
LCS 680-267091/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-267091/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 267164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	7470A	266950
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	7470A	266950
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	7470A	266950
660-52743-4	KEEN JR	Total/NA	Ground Water	7470A	266950
660-52743-5	BARNES	Total/NA	Ground Water	7470A	266950
660-52743-5 MS	BARNES	Total/NA	Ground Water	7470A	266950
660-52743-5 MSD	BARNES	Total/NA	Ground Water	7470A	266950
660-52743-6	HOLLAND	Total/NA	Ground Water	7470A	266950
660-52743-7	WEEKS	Total/NA	Ground Water	7470A	266950
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	7470A	266950
660-52765-1	TH-19	Total/NA	Ground Water	7470A	266956
660-52765-1 MS	TH-19	Total/NA	Ground Water	7470A	266956
660-52765-1 MSD	TH-19	Total/NA	Ground Water	7470A	266956
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	7470A	266956
660-52765-3	TH-71A	Total/NA	Ground Water	7470A	266956
660-52765-4	TH-70A	Total/NA	Ground Water	7470A	266956
660-52765-5	TH-69A	Total/NA	Ground Water	7470A	266956
660-52765-6	TH-36A	Total/NA	Ground Water	7470A	266956
660-52765-7	TH-40	Total/NA	Ground Water	7470A	266956
660-52765-8	TH-68	Total/NA	Ground Water	7470A	266956
660-52765-9	TH-64	Total/NA	Ground Water	7470A	266956
660-52765-10	TH-61A	Total/NA	Ground Water	7470A	266956
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	7470A	266956
LCS 680-266950/2-A	Lab Control Sample	Total/NA	Water	7470A	266950
LCS 680-266956/2-A	Lab Control Sample	Total/NA	Water	7470A	266956
MB 680-266950/1-A	Method Blank	Total/NA	Water	7470A	266950
MB 680-266956/1-A	Method Blank	Total/NA	Water	7470A	266956

Prep Batch: 267417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total Recoverable	Surface Water	3005A	
660-52743-2	MINE CUT 1D	Total Recoverable	Surface Water	3005A	
660-52743-3	BLANK EQUIPMENT-Surface water	Total Recoverable	Ground Water	3005A	
660-52743-4	KEEN JR	Total Recoverable	Ground Water	3005A	
660-52743-5	BARNES	Total Recoverable	Ground Water	3005A	
660-52743-6	HOLLAND	Total Recoverable	Ground Water	3005A	
660-52743-7	WEEKS	Total Recoverable	Ground Water	3005A	
660-52743-8	BLANK EQUIPMENT 52743	Total Recoverable	Ground Water	3005A	
660-52765-1	TH-19	Total Recoverable	Ground Water	3005A	
660-52765-2	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	3005A	
660-52765-3	TH-71A	Total Recoverable	Ground Water	3005A	
660-52765-4	TH-70A	Total Recoverable	Ground Water	3005A	
660-52765-5	TH-69A	Total Recoverable	Ground Water	3005A	
660-52765-6	TH-36A	Total Recoverable	Ground Water	3005A	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Metals (Continued)

Prep Batch: 267417 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-7	TH-40	Total Recoverable	Ground Water	3005A	
660-52765-8	TH-68	Total Recoverable	Ground Water	3005A	
660-52765-9	TH-64	Total Recoverable	Ground Water	3005A	
660-52765-10	TH-61A	Total Recoverable	Ground Water	3005A	
660-52765-11	BLANK EQUIPMENT 52765	Total Recoverable	Ground Water	3005A	
660-52783-H-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-52783-H-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
LCS 680-267417/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-267417/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 267488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-52811-1	TH-65	Total Recoverable	Ground Water	3005A	
660-52811-2	TH-66A	Total Recoverable	Ground Water	3005A	
660-52811-3	TH-67	Total Recoverable	Ground Water	3005A	
660-52811-4	TH-22A	Total Recoverable	Ground Water	3005A	
660-52811-5	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	3005A	
660-52811-6	TH-57	Total Recoverable	Ground Water	3005A	
660-52811-7	TH-28A	Total Recoverable	Ground Water	3005A	
660-52811-8	TH-58	Total Recoverable	Ground Water	3005A	
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 267505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	7470A	267091
660-52811-1 MS	TH-65	Total/NA	Ground Water	7470A	267091
660-52811-1 MSD	TH-65	Total/NA	Ground Water	7470A	267091
660-52811-2	TH-66A	Total/NA	Ground Water	7470A	267091
660-52811-3	TH-67	Total/NA	Ground Water	7470A	267091
660-52811-4	TH-22A	Total/NA	Ground Water	7470A	267091
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	7470A	267091
660-52811-6	TH-57	Total/NA	Ground Water	7470A	267091
660-52811-7	TH-28A	Total/NA	Ground Water	7470A	267091
660-52811-8	TH-58	Total/NA	Ground Water	7470A	267091
LCS 680-267091/2-A	Lab Control Sample	Total/NA	Water	7470A	267091
MB 680-267091/1-A	Method Blank	Total/NA	Water	7470A	267091

Analysis Batch: 267613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	267488
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267488
660-52811-1	TH-65	Total Recoverable	Ground Water	6020A	267488
660-52811-2	TH-66A	Total Recoverable	Ground Water	6020A	267488
660-52811-3	TH-67	Total Recoverable	Ground Water	6020A	267488
660-52811-4	TH-22A	Total Recoverable	Ground Water	6020A	267488
660-52811-5	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	6020A	267488
660-52811-6	TH-57	Total Recoverable	Ground Water	6020A	267488
660-52811-7	TH-28A	Total Recoverable	Ground Water	6020A	267488

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Metals (Continued)

Analysis Batch: 267613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-8	TH-58	Total Recoverable	Ground Water	6020A	267488
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267488
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	6020A	267488

Analysis Batch: 267614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	267488
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267488
660-52743-1	3C2	Total Recoverable	Surface Water	6020A	267417
660-52743-2	MINE CUT 1D	Total Recoverable	Surface Water	6020A	267417
660-52743-3	BLANK EQUIPMENT-Surface water	Total Recoverable	Ground Water	6020A	267417
660-52743-4	KEEN JR	Total Recoverable	Ground Water	6020A	267417
660-52743-5	BARNES	Total Recoverable	Ground Water	6020A	267417
660-52743-6	HOLLAND	Total Recoverable	Ground Water	6020A	267417
660-52743-7	WEEKS	Total Recoverable	Ground Water	6020A	267417
660-52743-8	BLANK EQUIPMENT 52743	Total Recoverable	Ground Water	6020A	267417
660-52765-1	TH-19	Total Recoverable	Ground Water	6020A	267417
660-52765-2	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	6020A	267417
660-52765-3	TH-71A	Total Recoverable	Ground Water	6020A	267417
660-52765-4	TH-70A	Total Recoverable	Ground Water	6020A	267417
660-52765-5	TH-69A	Total Recoverable	Ground Water	6020A	267417
660-52765-6	TH-36A	Total Recoverable	Ground Water	6020A	267417
660-52765-7	TH-40	Total Recoverable	Ground Water	6020A	267417
660-52765-8	TH-68	Total Recoverable	Ground Water	6020A	267417
660-52765-9	TH-64	Total Recoverable	Ground Water	6020A	267417
660-52765-10	TH-61A	Total Recoverable	Ground Water	6020A	267417
660-52765-11	BLANK EQUIPMENT 52765	Total Recoverable	Ground Water	6020A	267417
660-52783-H-1-C MS	Matrix Spike	Total Recoverable	Water	6020A	267417
660-52783-H-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267417
660-52811-1	TH-65	Total Recoverable	Ground Water	6020A	267488
660-52811-2	TH-66A	Total Recoverable	Ground Water	6020A	267488
660-52811-3	TH-67	Total Recoverable	Ground Water	6020A	267488
660-52811-4	TH-22A	Total Recoverable	Ground Water	6020A	267488
660-52811-5	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	6020A	267488
660-52811-6	TH-57	Total Recoverable	Ground Water	6020A	267488
660-52811-7	TH-28A	Total Recoverable	Ground Water	6020A	267488
660-52811-8	TH-58	Total Recoverable	Ground Water	6020A	267488
LCS 680-267417/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267417
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267488
MB 680-267417/1-A	Method Blank	Total Recoverable	Water	6020A	267417
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	6020A	267488

Analysis Batch: 267683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 2340B	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 2340B	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 2340B	
MB 680-267683/1	Method Blank	Total/NA	Water	SM 2340B	

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Metals (Continued)

Analysis Batch: 268368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total Recoverable	Surface Water	6020A	267417
660-52743-2	MINE CUT 1D	Total Recoverable	Surface Water	6020A	267417
660-52743-3	BLANK EQUIPMENT-Surface water	Total Recoverable	Ground Water	6020A	267417
660-52743-4	KEEN JR	Total Recoverable	Ground Water	6020A	267417
660-52743-5	BARNES	Total Recoverable	Ground Water	6020A	267417
660-52743-6	HOLLAND	Total Recoverable	Ground Water	6020A	267417
660-52743-7	WEEKS	Total Recoverable	Ground Water	6020A	267417
660-52743-8	BLANK EQUIPMENT 52743	Total Recoverable	Ground Water	6020A	267417
660-52765-1	TH-19	Total Recoverable	Ground Water	6020A	267417
660-52765-2	DUPLICATE NOT BLANK	Total Recoverable	Ground Water	6020A	267417
660-52765-3	TH-71A	Total Recoverable	Ground Water	6020A	267417
660-52765-4	TH-70A	Total Recoverable	Ground Water	6020A	267417
660-52765-5	TH-69A	Total Recoverable	Ground Water	6020A	267417
660-52765-6	TH-36A	Total Recoverable	Ground Water	6020A	267417
660-52765-7	TH-40	Total Recoverable	Ground Water	6020A	267417
660-52765-8	TH-68	Total Recoverable	Ground Water	6020A	267417
660-52765-9	TH-64	Total Recoverable	Ground Water	6020A	267417
660-52765-10	TH-61A	Total Recoverable	Ground Water	6020A	267417
660-52765-11	BLANK EQUIPMENT 52765	Total Recoverable	Ground Water	6020A	267417
660-52783-H-1-C MS	Matrix Spike	Total Recoverable	Water	6020A	267417
660-52783-H-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267417
LCS 680-267417/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267417
MB 680-267417/1-A	Method Blank	Total Recoverable	Water	6020A	267417

General Chemistry

Analysis Batch: 99580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 5310C	
660-52743-1 DU	3C2	Total/NA	Surface Water	SM 5310C	
660-52743-1 MS	3C2	Total/NA	Surface Water	SM 5310C	
660-52743-1 MSD	3C2	Total/NA	Surface Water	SM 5310C	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 5310C	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 5310C	
660-52743-4	KEEN JR	Total/NA	Ground Water	SM 5310C	
660-52743-5	BARNES	Total/NA	Ground Water	SM 5310C	
660-52743-6	HOLLAND	Total/NA	Ground Water	SM 5310C	
660-52743-7	WEEKS	Total/NA	Ground Water	SM 5310C	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	SM 5310C	
LCS 640-99580/8	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 640-99580/9	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
MB 640-99580/7	Method Blank	Total/NA	Water	SM 5310C	

Analysis Batch: 134608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	5210B	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	5210B	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	5210B	
660-52751-A-1 DU	Duplicate	Total/NA	Water	5210B	
LCS 660-134608/3	Lab Control Sample	Total/NA	Water	5210B	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 134608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
SCB 660-134608/2 SCB	Method Blank	Total/NA	Water	5210B	
USB 660-134608/1 USB	Method Blank	Total/NA	Water	5210B	

Analysis Batch: 134681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	353.2	
660-52743-1 MS	3C2	Total/NA	Surface Water	353.2	
660-52743-1 MSD	3C2	Total/NA	Surface Water	353.2	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	353.2	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	353.2	
660-52743-4	KEEN JR	Total/NA	Ground Water	353.2	
660-52743-5	BARNES	Total/NA	Ground Water	353.2	
660-52743-6	HOLLAND	Total/NA	Ground Water	353.2	
660-52743-7	WEEKS	Total/NA	Ground Water	353.2	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	353.2	
LCS 660-134681/6	Lab Control Sample	Total/NA	Water	353.2	
MB 660-134681/5	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 134684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	353.2	
660-52765-1 MS	TH-19	Total/NA	Ground Water	353.2	
660-52765-1 MSD	TH-19	Total/NA	Ground Water	353.2	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	353.2	
660-52765-3	TH-71A	Total/NA	Ground Water	353.2	
660-52765-4	TH-70A	Total/NA	Ground Water	353.2	
660-52765-5	TH-69A	Total/NA	Ground Water	353.2	
660-52765-6	TH-36A	Total/NA	Ground Water	353.2	
660-52765-7	TH-40	Total/NA	Ground Water	353.2	
660-52765-8	TH-68	Total/NA	Ground Water	353.2	
660-52765-9	TH-64	Total/NA	Ground Water	353.2	
660-52765-10	TH-61A	Total/NA	Ground Water	353.2	
660-52765-10 MS	TH-61A	Total/NA	Ground Water	353.2	
660-52765-10 MSD	TH-61A	Total/NA	Ground Water	353.2	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	353.2	
LCS 660-134684/8	Lab Control Sample	Total/NA	Water	353.2	
MB 660-134684/7	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 134735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42357-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-52743-1	3C2	Total/NA	Surface Water	SM 2540C	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 2540C	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 2540C	
660-52743-4	KEEN JR	Total/NA	Ground Water	SM 2540C	
660-52743-5	BARNES	Total/NA	Ground Water	SM 2540C	
660-52743-6	HOLLAND	Total/NA	Ground Water	SM 2540C	
660-52743-7	WEEKS	Total/NA	Ground Water	SM 2540C	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	SM 2540C	
660-52765-1	TH-19	Total/NA	Ground Water	SM 2540C	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	SM 2540C	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 134735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-3	TH-71A	Total/NA	Ground Water	SM 2540C	
660-52765-4	TH-70A	Total/NA	Ground Water	SM 2540C	
660-52765-5	TH-69A	Total/NA	Ground Water	SM 2540C	
660-52765-6	TH-36A	Total/NA	Ground Water	SM 2540C	
660-52765-7	TH-40	Total/NA	Ground Water	SM 2540C	
660-52765-8	TH-68	Total/NA	Ground Water	SM 2540C	
LCS 660-134735/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-134735/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 134759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	353.2	
660-52811-2	TH-66A	Total/NA	Ground Water	353.2	
660-52811-3	TH-67	Total/NA	Ground Water	353.2	
660-52811-4	TH-22A	Total/NA	Ground Water	353.2	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	353.2	
660-52811-6	TH-57	Total/NA	Ground Water	353.2	
660-52811-7	TH-28A	Total/NA	Ground Water	353.2	
660-52811-7 MS	TH-28A	Total/NA	Ground Water	353.2	
660-52811-7 MSD	TH-28A	Total/NA	Ground Water	353.2	
660-52811-8	TH-58	Total/NA	Ground Water	353.2	
LCS 660-134759/6	Lab Control Sample	Total/NA	Water	353.2	
MB 660-134759/5	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 134790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 2540D	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 2540D	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 2540D	
660-52743-4	KEEN JR	Total/NA	Ground Water	SM 2540D	
660-52743-5	BARNES	Total/NA	Ground Water	SM 2540D	
660-52743-6	HOLLAND	Total/NA	Ground Water	SM 2540D	
660-52743-7	WEEKS	Total/NA	Ground Water	SM 2540D	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	SM 2540D	
660-52770-B-5 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 660-134790/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 660-134790/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 134802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-9	TH-64	Total/NA	Ground Water	SM 2540C	
660-52765-10	TH-61A	Total/NA	Ground Water	SM 2540C	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	SM 2540C	
660-52771-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-52811-1	TH-65	Total/NA	Ground Water	SM 2540C	
660-52811-2	TH-66A	Total/NA	Ground Water	SM 2540C	
660-52811-3	TH-67	Total/NA	Ground Water	SM 2540C	
660-52811-3 DU	TH-67	Total/NA	Ground Water	SM 2540C	
660-52811-4	TH-22A	Total/NA	Ground Water	SM 2540C	
LCS 660-134802/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-134802/1	Method Blank	Total/NA	Water	SM 2540C	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 134834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42378-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	SM 2540C	
660-52811-6	TH-57	Total/NA	Ground Water	SM 2540C	
660-52811-7	TH-28A	Total/NA	Ground Water	SM 2540C	
660-52811-8	TH-58	Total/NA	Ground Water	SM 2540C	
LCS 660-134834/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-134834/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 134835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	Total Nitrogen	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	Total Nitrogen	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	Total Nitrogen	

Analysis Batch: 134906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 10200H	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 10200H	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 10200H	

Prep Batch: 266926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52730-C-1-B MS	Matrix Spike	Total/NA	Water	Digestion	
660-52730-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Digestion	
660-52731-C-1-B DU	Duplicate	Total/NA	Water	Digestion	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	Digestion	
LCS 680-266926/1-A	Lab Control Sample	Total/NA	Water	Digestion	
MB 680-266926/2-A	Method Blank	Total/NA	Water	Digestion	

Prep Batch: 266930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	Digestion	
660-52743-1 MS	3C2	Total/NA	Surface Water	Digestion	
660-52743-1 MSD	3C2	Total/NA	Surface Water	Digestion	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	Digestion	
LCS 680-266930/1-A	Lab Control Sample	Total/NA	Water	Digestion	
MB 680-266930/2-A	Method Blank	Total/NA	Water	Digestion	

Analysis Batch: 267018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52730-C-1-B MS	Matrix Spike	Total/NA	Water	365.4	266926
660-52730-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	365.4	266926
660-52731-C-1-B DU	Duplicate	Total/NA	Water	365.4	266926
660-52743-1	3C2	Total/NA	Surface Water	365.4	266930
660-52743-1 MS	3C2	Total/NA	Surface Water	365.4	266930
660-52743-1 MSD	3C2	Total/NA	Surface Water	365.4	266930
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	365.4	266930
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	365.4	266926
LCS 680-266926/1-A	Lab Control Sample	Total/NA	Water	365.4	266926
LCS 680-266930/1-A	Lab Control Sample	Total/NA	Water	365.4	266930
MB 680-266926/2-A	Method Blank	Total/NA	Water	365.4	266926

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 267018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-266930/2-A	Method Blank	Total/NA	Water	365.4	266930

Analysis Batch: 267205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42348-B-2 DU	Duplicate	Total/NA	Water	350.1	
660-52765-1	TH-19	Total/NA	Ground Water	350.1	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	350.1	
660-52765-3	TH-71A	Total/NA	Ground Water	350.1	
660-52765-4	TH-70A	Total/NA	Ground Water	350.1	
660-52765-5	TH-69A	Total/NA	Ground Water	350.1	
660-52765-6	TH-36A	Total/NA	Ground Water	350.1	
660-52765-7	TH-40	Total/NA	Ground Water	350.1	
660-52765-8	TH-68	Total/NA	Ground Water	350.1	
660-52765-9	TH-64	Total/NA	Ground Water	350.1	
660-52765-10	TH-61A	Total/NA	Ground Water	350.1	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	350.1	
660-52783-F-1 MS	Matrix Spike	Total/NA	Water	350.1	
660-52783-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
LCS 680-267205/1	Lab Control Sample	Total/NA	Water	350.1	
MB 680-267205/15	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 267409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	300.0	
660-52811-1 MS	TH-65	Total/NA	Ground Water	300.0	
660-52811-1 MSD	TH-65	Total/NA	Ground Water	300.0	
660-52811-2	TH-66A	Total/NA	Ground Water	300.0	
660-52811-3	TH-67	Total/NA	Ground Water	300.0	
660-52811-4	TH-22A	Total/NA	Ground Water	300.0	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	300.0	
660-52811-6	TH-57	Total/NA	Ground Water	300.0	
660-52811-7	TH-28A	Total/NA	Ground Water	300.0	
660-52811-8	TH-58	Total/NA	Ground Water	300.0	
LCS 680-267409/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267409/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267409/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 267485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	300.0	
660-52765-1 MS	TH-19	Total/NA	Ground Water	300.0	
660-52765-2	DUPLICATE NOT BLANK	Total/NA	Ground Water	300.0	
660-52765-3	TH-71A	Total/NA	Ground Water	300.0	
660-52765-4	TH-70A	Total/NA	Ground Water	300.0	
660-52765-5	TH-69A	Total/NA	Ground Water	300.0	
LCS 680-267485/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267485/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267485/2	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 267491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 5220D	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 5220D	
660-52743-2 MS	MINE CUT 1D	Total/NA	Surface Water	SM 5220D	
660-52743-2 MSD	MINE CUT 1D	Total/NA	Surface Water	SM 5220D	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 5220D	
LCS 680-267491/4	Lab Control Sample	Total/NA	Water	SM 5220D	
MB 680-267491/3	Method Blank	Total/NA	Water	SM 5220D	

Analysis Batch: 267533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-51026-G-1 DU	Duplicate	Total/NA	Water	350.1	
660-52743-4	KEEN JR	Total/NA	Ground Water	350.1	
660-52743-5	BARNES	Total/NA	Ground Water	350.1	
660-52743-5 MS	BARNES	Total/NA	Ground Water	350.1	
660-52743-5 MSD	BARNES	Total/NA	Ground Water	350.1	
660-52811-1	TH-65	Total/NA	Ground Water	350.1	
LCS 680-267533/11	Lab Control Sample	Total/NA	Water	350.1	
MB 680-267533/12	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 267534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42377-B-3 DU	Duplicate	Total/NA	Water	350.1	
660-52743-6	HOLLAND	Total/NA	Ground Water	350.1	
660-52743-6 MS	HOLLAND	Total/NA	Ground Water	350.1	
660-52743-6 MSD	HOLLAND	Total/NA	Ground Water	350.1	
660-52743-7	WEEKS	Total/NA	Ground Water	350.1	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	350.1	
660-52811-2	TH-66A	Total/NA	Ground Water	350.1	
660-52811-3	TH-67	Total/NA	Ground Water	350.1	
660-52811-4	TH-22A	Total/NA	Ground Water	350.1	
660-52811-5	DUPLICATE NOT BLANK	Total/NA	Ground Water	350.1	
660-52811-6	TH-57	Total/NA	Ground Water	350.1	
660-52811-7	TH-28A	Total/NA	Ground Water	350.1	
660-52811-8	TH-58	Total/NA	Ground Water	350.1	
LCS 680-267534/1	Lab Control Sample	Total/NA	Water	350.1	
MB 680-267534/2	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 267615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	UnionizedNH3	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	UnionizedNH3	

Analysis Batch: 267639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-4	KEEN JR	Total/NA	Ground Water	300.0	
660-52743-4 MS	KEEN JR	Total/NA	Ground Water	300.0	
660-52743-4 MSD	KEEN JR	Total/NA	Ground Water	300.0	
660-52743-5	BARNES	Total/NA	Ground Water	300.0	
660-52743-6	HOLLAND	Total/NA	Ground Water	300.0	
660-52743-7	WEEKS	Total/NA	Ground Water	300.0	
660-52743-8	BLANK EQUIPMENT 52743	Total/NA	Ground Water	300.0	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

General Chemistry (Continued)

Analysis Batch: 267639 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-267639/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267639/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267639/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 267640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-6	TH-36A	Total/NA	Ground Water	300.0	
660-52765-6 MS	TH-36A	Total/NA	Ground Water	300.0	
660-52765-6 MSD	TH-36A	Total/NA	Ground Water	300.0	
660-52765-7	TH-40	Total/NA	Ground Water	300.0	
660-52765-8	TH-68	Total/NA	Ground Water	300.0	
660-52765-9	TH-64	Total/NA	Ground Water	300.0	
660-52765-10	TH-61A	Total/NA	Ground Water	300.0	
660-52765-11	BLANK EQUIPMENT 52765	Total/NA	Ground Water	300.0	
LCS 680-267640/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267640/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267640/2	Method Blank	Total/NA	Water	300.0	

Biology

Analysis Batch: 134704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	SM 9222D	
660-52743-1 DU	3C2	Total/NA	Surface Water	SM 9222D	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	SM 9222D	
660-52743-3	BLANK EQUIPMENT-Surface water	Total/NA	Ground Water	SM 9222D	
MB 660-134704/1	Method Blank	Total/NA	Water	SM 9222D	

Field Service / Mobile Lab

Analysis Batch: 134621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-1	3C2	Total/NA	Surface Water	Field Sampling	
660-52743-2	MINE CUT 1D	Total/NA	Surface Water	Field Sampling	
660-52743-4	KEEN JR	Total/NA	Ground Water	Field Sampling	
660-52743-5	BARNES	Total/NA	Ground Water	Field Sampling	
660-52743-6	HOLLAND	Total/NA	Ground Water	Field Sampling	
660-52743-7	WEEKS	Total/NA	Ground Water	Field Sampling	

Analysis Batch: 134687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-1	TH-19	Total/NA	Ground Water	Field Sampling	
660-52765-3	TH-71A	Total/NA	Ground Water	Field Sampling	
660-52765-4	TH-70A	Total/NA	Ground Water	Field Sampling	
660-52765-5	TH-69A	Total/NA	Ground Water	Field Sampling	
660-52765-6	TH-36A	Total/NA	Ground Water	Field Sampling	
660-52765-7	TH-40	Total/NA	Ground Water	Field Sampling	
660-52765-8	TH-68	Total/NA	Ground Water	Field Sampling	
660-52765-9	TH-64	Total/NA	Ground Water	Field Sampling	
660-52765-10	TH-61A	Total/NA	Ground Water	Field Sampling	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 134746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-1	TH-65	Total/NA	Ground Water	Field Sampling	
660-52811-2	TH-66A	Total/NA	Ground Water	Field Sampling	
660-52811-3	TH-67	Total/NA	Ground Water	Field Sampling	
660-52811-4	TH-22A	Total/NA	Ground Water	Field Sampling	
660-52811-6	TH-57	Total/NA	Ground Water	Field Sampling	
660-52811-7	TH-28A	Total/NA	Ground Water	Field Sampling	
660-52811-8	TH-58	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: 3C2

Lab Sample ID: 660-52743-1

Date Collected: 02/18/13 12:45

Matrix: Surface Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 14:56	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/20/13 23:58	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:14	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 21:14	BR	TAL SAV
Total/NA	Analysis	SM 2340B		1	267683	02/26/13 21:14	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 15:44	CE	TAL SAV
Total/NA	Analysis	SM 5310C		4	99580	02/20/13 19:56	MF	TAL TAL
Total/NA	Analysis	5210B		1	134608	02/19/13 08:35	AG	TAL TAM
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	134835	02/26/13 08:42	RWF	TAL TAM
Total/NA	Analysis	SM 10200H		1	134906	02/25/13 15:45	BM	ENCO
Total/NA	Prep	Digestion			266930	02/20/13 11:00	AJO	TAL SAV
Total/NA	Analysis	365.4		1	267018	02/21/13 14:42	JR	TAL SAV
Total/NA	Analysis	SM 5220D		1	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	UnionizedNH3		1	267615	02/27/13 13:24	JR	TAL SAV
Total/NA	Analysis	SM 9222D		10	134704		RWF	TAL TAM
					(Start)	02/18/13 16:40		
					(End)	02/19/13 14:45		
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 12:45		TAL TAM

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Date Collected: 02/18/13 13:20

Matrix: Surface Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 14:33	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:06	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:16	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 21:21	BR	TAL SAV
Total/NA	Analysis	SM 2340B		1	267683	02/26/13 21:21	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 15:48	CE	TAL SAV
Total/NA	Analysis	SM 5310C		5	99580	02/20/13 20:49	MF	TAL TAL
Total/NA	Analysis	5210B		1	134608	02/19/13 08:35	AG	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: MINE CUT 1D

Lab Sample ID: 660-52743-2

Date Collected: 02/18/13 13:20

Matrix: Surface Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	134835	02/26/13 08:42	RWF	TAL TAM
Total/NA	Analysis	SM 10200H		1	134906	02/25/13 15:45	BM	ENCO
Total/NA	Prep	Digestion			266930	02/20/13 11:00	AJO	TAL SAV
Total/NA	Analysis	365.4		1	267018	02/21/13 14:48	JR	TAL SAV
Total/NA	Analysis	SM 5220D		1	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	UnionizedNH3		1	267615	02/27/13 13:24	JR	TAL SAV
Total/NA	Analysis	SM 9222D		10	134704		RWF	TAL TAM
					(Start)	02/18/13 16:40		
					(End)	02/19/13 14:45		
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 13:20		TAL TAM

Client Sample ID: BLANK EQUIPMENT-Surface water

Lab Sample ID: 660-52743-3

Date Collected: 02/18/13 12:35

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 12:41	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:15	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:19	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 21:27	BR	TAL SAV
Total/NA	Analysis	SM 2340B		1	267683	02/26/13 21:27	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 15:52	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 21:26	MF	TAL TAL
Total/NA	Analysis	5210B		1	134608	02/19/13 08:35	AG	TAL TAM
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	134835	02/26/13 08:42	RWF	TAL TAM
Total/NA	Analysis	SM 10200H		1	134906	02/25/13 15:45	BM	ENCO
Total/NA	Prep	Digestion			266926	02/20/13 11:00	AJO	TAL SAV
Total/NA	Analysis	365.4		1	267018	02/21/13 14:38	JR	TAL SAV
Total/NA	Analysis	SM 5220D		1	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	SM 9222D		1	134704		RWF	TAL TAM
					(Start)	02/18/13 16:40		
					(End)	02/19/13 14:45		

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: KEEN JR

Lab Sample ID: 660-52743-4

Date Collected: 02/18/13 14:29

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 10:48	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:23	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:21	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 21:48	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:04	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 21:38	MF	TAL TAL
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	350.1		1	267533	02/26/13 13:01	RW	TAL SAV
Total/NA	Analysis	300.0		1	267639	02/26/13 11:18	PAT	TAL SAV
Total/NA	Analysis	900.0		1	135115	02/28/13 08:00	BM	SC0009
Total/NA	Analysis	903.0		1	135116	02/24/13 11:10	BM	SC0009
Total/NA	Analysis	Ra-05		1	135117	03/01/13 09:45	BM	SC0009
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 14:29		TAL TAM

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Date Collected: 02/18/13 11:34

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 11:33	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:32	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:24	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 21:54	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:08	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 21:51	MF	TAL TAL
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	350.1		1	267533	02/26/13 13:10	RW	TAL SAV
Total/NA	Analysis	300.0		1	267639	02/26/13 11:55	PAT	TAL SAV
Total/NA	Analysis	900.0		1	135115	02/28/13 08:00	BM	SC0009
Total/NA	Analysis	903.0		1	135116	02/24/13 11:10	BM	SC0009
Total/NA	Analysis	Ra-05		1	135117	03/01/13 09:45	BM	SC0009

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: BARNES

Lab Sample ID: 660-52743-5

Date Collected: 02/18/13 11:34

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 11:34		TAL TAM

Client Sample ID: HOLLAND

Lab Sample ID: 660-52743-6

Date Collected: 02/18/13 10:59

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 14:11	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:40	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:36	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:01	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:12	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 22:03	MF	TAL TAL
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	350.1		1	267534	02/26/13 13:11	RW	TAL SAV
Total/NA	Analysis	300.0		1	267639	02/26/13 12:08	PAT	TAL SAV
Total/NA	Analysis	900.0		1	135115	02/28/13 08:00	BM	SC0009
Total/NA	Analysis	903.0		1	135116	02/24/13 11:10	BM	SC0009
Total/NA	Analysis	Ra-05		1	135117	03/01/13 09:45	BM	SC0009
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 10:59		TAL TAM

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Date Collected: 02/18/13 10:09

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 13:48	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 00:49	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:39	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:08	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:16	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 22:16	MF	TAL TAL
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: WEEKS

Lab Sample ID: 660-52743-7

Date Collected: 02/18/13 10:09

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV
Total/NA	Analysis	300.0		1	267639	02/26/13 12:20	PAT	TAL SAV
Total/NA	Analysis	900.0		1	135115	02/28/13 08:00	BM	SC0009
Total/NA	Analysis	903.0		1	135116	02/24/13 11:10	BM	SC0009
Total/NA	Analysis	Ra-05		1	135117	03/01/13 09:45	BM	SC0009
Total/NA	Analysis	Field Sampling		1	134621	02/18/13 10:09		TAL TAM

Client Sample ID: BLANK EQUIPMENT 52743

Lab Sample ID: 660-52743-8

Date Collected: 02/18/13 09:45

Matrix: Ground Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 13:03	KW	TAL TAM
Total/NA	Prep	8011			266868	02/20/13 16:22	JEM	TAL SAV
Total/NA	Analysis	8011		1	267007	02/21/13 01:49	JEM	TAL SAV
Total/NA	Prep	7470A			266950	02/21/13 10:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 13:41	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:14	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:20	CE	TAL SAV
Total/NA	Analysis	SM 5310C		1	99580	02/20/13 22:27	MF	TAL TAL
Total/NA	Analysis	353.2		1	134681	02/20/13 07:15	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	SM 2540D		1	134790	02/25/13 07:02	TO	TAL TAM
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV
Total/NA	Analysis	300.0		1	267639	02/26/13 12:32	PAT	TAL SAV
Total/NA	Analysis	900.0		1	135115	02/28/13 08:00	BM	SC0009
Total/NA	Analysis	903.0		1	135116	02/24/13 11:10	BM	SC0009
Total/NA	Analysis	Ra-05		1	135117	03/01/13 09:45	BM	SC0009

Client Sample ID: BLANK TRAVEL 52743

Lab Sample ID: 660-52743-9

Date Collected: 02/18/13 09:43

Matrix: Water

Date Received: 02/18/13 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 13:26	KW	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-19

Lab Sample ID: 660-52765-1

Date Collected: 02/19/13 11:42

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 15:18	KW	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:22	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:10	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:21	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:24	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:56	RW	TAL SAV
Total/NA	Analysis	300.0		5	267485	02/26/13 03:50	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 11:42		TAL TAM

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52765-2

Date Collected: 02/19/13 00:00

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 15:41	KW	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:31	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:17	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:28	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:28	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:56	RW	TAL SAV
Total/NA	Analysis	300.0		5	267485	02/26/13 04:15	PAT	TAL SAV

Client Sample ID: TH-71A

Lab Sample ID: 660-52765-3

Date Collected: 02/19/13 10:34

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 16:03	KW	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:05	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:20	BCB	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-71A

Date Collected: 02/19/13 10:34

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:35	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:32	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		2	267205	02/22/13 18:32	RW	TAL SAV
Total/NA	Analysis	300.0		5	267485	02/26/13 04:27	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 10:34		TAL TAM

Client Sample ID: TH-70A

Date Collected: 02/19/13 11:06

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 16:26	KW	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:14	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:22	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:41	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:36	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 18:22	RW	TAL SAV
Total/NA	Analysis	300.0		5	267485	02/26/13 04:40	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 11:06		TAL TAM

Client Sample ID: TH-69A

Date Collected: 02/19/13 10:02

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 16:48	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 03:29	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:25	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 22:48	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:40	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-69A

Lab Sample ID: 660-52765-5

Date Collected: 02/19/13 10:02

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:38	RW	TAL SAV
Total/NA	Analysis	300.0		5	267485	02/26/13 04:52	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 10:02		TAL TAM

Client Sample ID: TH-36A

Lab Sample ID: 660-52765-6

Date Collected: 02/19/13 12:22

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 17:11	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 02:46	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:27	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:08	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:51	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:38	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 13:10	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 12:22		TAL TAM

Client Sample ID: TH-40

Lab Sample ID: 660-52765-7

Date Collected: 02/19/13 14:48

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 17:33	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 03:38	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:35	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:15	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:55	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:38	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 13:47	PAT	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-40

Date Collected: 02/19/13 14:48

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 14:48		TAL TAM

Client Sample ID: TH-68

Date Collected: 02/19/13 13:06

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 17:56	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 02:55	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:37	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:22	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 16:59	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134735	02/22/13 07:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:47	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 13:59	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 13:06		TAL TAM

Client Sample ID: TH-64

Date Collected: 02/19/13 13:34

Date Received: 02/19/13 16:00

Lab Sample ID: 660-52765-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 18:18	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 03:03	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:39	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:28	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 17:03	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:47	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 14:12	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 13:34		TAL TAM

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-61A

Lab Sample ID: 660-52765-10

Date Collected: 02/19/13 14:05

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 18:41	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 03:12	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:42	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:35	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 17:07	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:47	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 14:24	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134687	02/19/13 14:05		TAL TAM

Client Sample ID: BLANK EQUIPMENT 52765

Lab Sample ID: 660-52765-11

Date Collected: 02/19/13 09:30

Matrix: Ground Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134741	02/21/13 19:03	KW	TAL TAM
Total/NA	Prep	8011			267601	02/27/13 14:05	JEM	TAL SAV
Total/NA	Analysis	8011		1	267802	02/28/13 03:20	JEM	TAL SAV
Total/NA	Prep	7470A			266956	02/21/13 11:02	UU	TAL SAV
Total/NA	Analysis	7470A		1	267164	02/22/13 12:44	BCB	TAL SAV
Total Recoverable	Prep	3005A			267417	02/26/13 07:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/26/13 23:42	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	268368	02/26/13 17:11	CE	TAL SAV
Total/NA	Analysis	353.2		1	134684	02/20/13 14:26	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	350.1		1	267205	02/22/13 17:47	RW	TAL SAV
Total/NA	Analysis	300.0		5	267640	02/26/13 14:36	PAT	TAL SAV

Client Sample ID: BLANK TRAVEL 52765

Lab Sample ID: 660-52765-12

Date Collected: 02/19/13 09:27

Matrix: Water

Date Received: 02/19/13 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134832	02/25/13 13:45	KW	TAL TAM

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-65

Lab Sample ID: 660-52811-1

Date Collected: 02/20/13 10:16

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 13:10	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:39	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 12:55	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:38	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:03	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 14:12	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267533	02/26/13 13:01	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 10:16		TAL TAM

Client Sample ID: TH-66A

Lab Sample ID: 660-52811-2

Date Collected: 02/20/13 11:02

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 13:27	EC	TAL TAM
Total/NA	Prep	8011			267599	02/27/13 14:03	JEM	TAL SAV
Total/NA	Analysis	8011		1	267756	02/27/13 23:29	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:02	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:42	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:10	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 14:50	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 11:02		TAL TAM

Client Sample ID: TH-67

Lab Sample ID: 660-52811-3

Date Collected: 02/20/13 11:37

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 13:45	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:56	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-67

Lab Sample ID: 660-52811-3

Date Collected: 02/20/13 11:37

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	267505	02/26/13 13:05	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:46	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:17	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 15:02	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 11:37		TAL TAM

Client Sample ID: TH-22A

Lab Sample ID: 660-52811-4

Date Collected: 02/20/13 12:25

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 14:03	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:22	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:07	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:50	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:23	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 15:14	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 12:25		TAL TAM

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52811-5

Date Collected: 02/20/13 00:00

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 14:21	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:30	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:10	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:54	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:44	BR	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: DUPLICATE NOT BLANK

Lab Sample ID: 660-52811-5

Date Collected: 02/20/13 00:00

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134834	02/26/13 08:41	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 15:27	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 13:20	RW	TAL SAV

Client Sample ID: TH-57

Lab Sample ID: 660-52811-6

Date Collected: 02/20/13 13:04

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 14:39	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:13	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:12	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 11:58	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:50	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134834	02/26/13 08:41	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 15:39	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 15:33	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 13:04		TAL TAM

Client Sample ID: TH-28A

Lab Sample ID: 660-52811-7

Date Collected: 02/20/13 13:41

Matrix: Ground Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 14:57	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:05	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:20	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 12:02	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 02:57	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134834	02/26/13 08:41	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 15:52	PAT	TAL SAV
Total/NA	Analysis	350.1		2	267534	02/26/13 15:41	RW	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Client Sample ID: TH-28A

Date Collected: 02/20/13 13:41

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 13:41		TAL TAM

Client Sample ID: TH-58

Date Collected: 02/20/13 14:16

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 15:15	EC	TAL TAM
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/05/13 00:48	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:22	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 12:13	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 03:04	BR	TAL SAV
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134834	02/26/13 08:41	TO	TAL TAM
Total/NA	Analysis	300.0		5	267409	02/23/13 16:04	PAT	TAL SAV
Total/NA	Analysis	350.1		1	267534	02/26/13 15:33	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 14:16		TAL TAM

Client Sample ID: BLANK TRAVEL 52811

Date Collected: 02/20/13 10:00

Date Received: 02/20/13 18:00

Lab Sample ID: 660-52811-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134763	02/22/13 12:52	EC	TAL TAM

Laboratory References:

- ENCO = Orlando, FL, 10775 Central Port Drive, Orlando, FL 32824, TEL (407)826-5314
- SC0009 = KNL, Tampa, Vendor, 2742 North Florida Avenue, Tampa, FL 33601, TEL (813)229-2879
- 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

Method Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260B	VOC	SW846	TAL TAM
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SAV
6020A	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury	SW846	TAL SAV
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
353.2	Nitrate	MCAWW	TAL TAM
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAM
365.4	Phosphorus, Total	EPA	TAL SAV
5210B	BOD-5	SM20	TAL TAM
SM 10200H	Chlorophyll-a	SM	ENCO
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL TAM
SM 5220D	COD	SM	TAL SAV
SM 5310C	TOC	SM	TAL TAL
Total Nitrogen	Nitrogen, Total	EPA	TAL TAM
UnionizedNH3	Ammonia, Unionized	FL-DEP	TAL SAV
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	SC0009
903.0	Radium-226 (GFPC)	EPA	SC0009
Ra-05	Radiochemical Microbiology	EPA	SC0009
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM
10200H	Chlorophyll-a	SM	ENCO
904.0	Radiochemical Microbiology	EPA	SC0009

Protocol References:

- EPA = US Environmental Protection Agency
- FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.
- 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",
- SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- ENCO = Orlando, FL, 10775 Central Port Drive, Orlando, FL 32824, TEL (407)826-5314
- SC0009 = KNL, Tampa, Vendor, 2742 North Florida Avenue, Tampa, FL 33601, TEL (813)229-2879
- 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 Monitoring Program

TestAmerica Job ID: 660-52743-1

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	03-31-13
A2LA	ISO/IEC 17025		399.01	03-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	03-31-13
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13

TestAmerica Tampa

Certification Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Southeast Monitoring Program

TestAmerica Job ID: 660-52743-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-13
Louisiana	NELAP	6	30663	06-30-13
New Jersey	NELAP	2	FL012	06-30-13
Texas	NELAP	6	T104704459-11-2	03-31-13
USDA	Federal		P330-08-00158	08-05-14

DOH Certification #E84025
DEP COMPQAP # 870251



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: March 1, 2013

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Field Custody: Client
Client/Field ID: 660-52743-4
KEEN JR
Sample Collection: 02-18-13/1429

Attn: Nancy Robertson

Lab ID No: 13.1049
Lab Custody Date: 02-19-13/1315
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	4.0 ± 1.1	02-28-13/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	2.2 ± 0.9	Calc	Calc	1.0
Radium-226	pCi/l	1.6 ± 0.7	02-24-13/1310	EPA 903.0	0.7
Radium-228	pCi/l	0.6 ± 0.9	03-01-13/0945	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

DOH Certification #E84025
DEP COMPQAP # 870251



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: March 1, 2013

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-52743-5
BARNES
Sample Collection: 02-18-13/1134
Lab ID No: 13.1050
Lab Custody Date: 02-19-13/1315
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	4.8 ± 1.2	02-28-13/0800	EPA 900.0	1.1
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.4 ± 0.9	Calc	Calc	1.0
Radium-226	pCi/l	3.3 ± 0.9	02-24-13/1110	EPA 903.0	0.6
Radium-228	pCi/l	0.1 ± 0.7	03-01-13/0945	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

DOH Certification #E84025
DEP COMPQAP # 870251



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: March 1, 2013

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Field Custody: Client
Client/Field ID: 660-52743-6
HOLLAND
Sample Collection: 02-18-13/1059

Attn: Nancy Robertson

Lab ID No: 13.1051
Lab Custody Date: 02-19-13/1315
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	3.5 ± 1.0	02-28-13/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.0 ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	1.9 ± 0.7	02-24-13/1110	EPA 903.0	0.6
Radium-228	pCi/l	1.1 ± 0.8	03-01-13/0945	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

DOH Certification #E84025
DEP COMPQAP # 870251



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: March 1, 2013

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Field Custody: Client
Client/Field ID: 660-52743-7
WEEKS
Sample Collection: 02-18-13/1009

Attn: Nancy Robertson

Lab ID No: 13.1052
Lab Custody Date: 02-19-13/1315
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	19.6 ± 2.5	02-28-13/0800	EPA 900.0	1.4
Combined Radium (Radium-226 + Radium 228)	pCi/l	13.9 ± 1.7	Calc	Calc	1.0
Radium-226	pCi/l	13.9 ± 1.7	02-24-13/1110	EPA 903.0	0.5
Radium-228	pCi/l	0.0 ± 0.7	03-01-13/0945	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

Page 1 of 1

DOH Certification #E84025
DEP COMPQAP # 870251



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: March 1, 2013

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-52743-8
BLANK EQ.
Sample Collection: 02-18-13/0945
Lab ID No: 13.1053
Lab Custody Date: 02-19-13/1315
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	0.2 ± 0.4	02-28-13/0800	EPA 900.0	0.9
Combined Radium (Radium-226 + Radium 228)	pCi/l	0.2 ± 0.7	Calc	Calc	1.0
Radium-226	pCi/l	0.1 ± 0.3	02-24-13/1110	EPA 903.0	0.7
Radium-228	pCi/l	0.1 ± 0.7	03-01-13/0945	EPA Ra-05	1.0

Alpha Standard: Th-230

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

TestAmerica Tampa
 8712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab P/N:	Carrier Tracking Num:	COCC No:
Company: KNL Laboratory Services		Client Contact:	Robertson, Nancy		960-53202-1
Address: 2742 North Florida Avenue		Phone:	nancy.robertson@testamericatampa.com		Page 1 of 1
City: Tampa		Due Date Requested:			Job #: 960-52743-1
State, Zip: FL, 33601		TAT Requested (days):			
Project Name: SELF WWS, SS, Private Wells, NPDES		Project #:			
Site: Southeast Landfill		SSOW#:			
Project Name: SELF WWS, SS, Private Wells, NPDES		Project #:			
Site: Southeast Landfill		SSOW#:			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sediment, Soil, etc.)
KEEN JR (960-52743-4)	2/18/13	14:29			Water
BARNES (960-52743-5)	2/18/13	11:34			Water
HOLLAND (960-52743-6)	2/18/13	10:59			Water
WEEKS (960-52743-7)	2/18/13	10:09			Water
BLANK EQUIPMENT (960-52743-8)	2/18/13	09:45			Water
<input type="checkbox"/> Field Filtered Sample (Yes or No)					
904.0/ Radium 226					
903.0/ Radium 226					
900.0/ Gross Alpha					
Special Instructions/Notes:					
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> 18,1049-53 </div>					
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (Specify)					
Empty Kit Requisitioned by:		Date:	Time:	Method of Storage:	
Requisitioned by: <i>[Signature]</i>		Date/Time: 2/19/13 @ 13:15	Time: 7:04	Received by: <i>[Signature]</i>	
Requisitioned by:		Date/Time:	Company:	Received by:	
Requisitioned by:		Date/Time:	Company:	Received by:	
Custody Seal Intact: A Yes A No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945



www.encolabs.com



Thursday, February 28, 2013

Test America - Tampa (TE022)

Attn: Nancy Robertson

6712 Benjamin Road, Suite 100

Tampa, FL 33634

**RE: Laboratory Results for
Project Number: 660-52743-1, Project Name/Desc: Test America -
ENCO Workorder(s): A300994**

Dear Nancy Robertson,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, February 19, 2013.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ronald Wambles'.

Ronald Wambles For David Camacho
Project Manager

Enclosure(s)



www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3C2 (660-52743-1) **Lab ID:** A300994-01 **Sampled:** 02/18/13 12:45 **Received:** 02/19/13 13:30

<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
SM 10200H-2001	02/20/13 12:45 03/05/13	02/19/13 15:30	2/25/2013 15:45

Client ID: Mine Cut 1D (660-52743-2) **Lab ID:** A300994-02 **Sampled:** 02/18/13 13:20 **Received:** 02/19/13 13:30

<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
SM 10200H-2001	02/20/13 13:20 03/05/13	02/19/13 15:30	2/25/2013 15:45

Client ID: Blank Equipment (660-52743-3) **Lab ID:** A300994-03 **Sampled:** 02/18/13 12:35 **Received:** 02/19/13 13:30

<u>Parameter</u>	<u>Hold Date/Time(s)</u>	<u>Prep Date/Time(s)</u>	<u>Analysis Date/Time(s)</u>
SM 10200H-2001	02/20/13 12:35 03/05/13	02/19/13 15:30	2/25/2013 15:45



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ANALYTICAL RESULTS

Description: 3C2 (660-52743-1)

Lab Sample ID: A300994-01

Received: 02/19/13 13:30

Matrix: Water

Sampled: 02/18/13 12:45

Work Order: A300994

Project: Test America -

Sampled By:

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chlorophyll a [42617-16-3]^	0.53		ug/L	1	0.50	0.50	3B19028	SM 10200H-2001	02/25/13 15:45	MMM	

Description: Mine Cut 1D (660-52743-2)

Lab Sample ID: A300994-02

Received: 02/19/13 13:30

Matrix: Water

Sampled: 02/18/13 13:20

Work Order: A300994

Project: Test America -

Sampled By:

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chlorophyll a [42617-16-3]^	72		ug/L	1	0.50	0.50	3B19028	SM 10200H-2001	02/25/13 15:45	MMM	

Description: Blank Equipment (660-52743-3)

Lab Sample ID: A300994-03

Received: 02/19/13 13:30

Matrix: Water

Sampled: 02/18/13 12:35

Work Order: A300994

Project: Test America -

Sampled By:

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Chlorophyll a [42617-16-3]^	0.50	U	ug/L	1	0.50	0.50	3B19028	SM 10200H-2001	02/25/13 15:45	MMM	



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QUALITY CONTROL DATA

Classical Chemistry Parameters - Quality Control

Batch 3B19028 - NO PREP

Blank (3B19028-BLK1)

Prepared: 02/19/2013 15:30 Analy

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorophyll a	0.50	U	0.50	ug/L							

Duplicate (3B19028-DUP1)

Prepared: 02/19/2013 15:30 Analy

Source: A300988-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorophyll a	1.2		0.50	ug/L		1.6			30	25	QR-04

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QR-04	Duplicate precision outside acceptance limits due to low analyte concentration.



www.encolabs.com

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record



THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Company: Environmental Conservation Laboratories Address: 10775 Central Port Drive City: Orlando State Zip: FL 32824 Phone: 407-826-5314 (Tel) Email: 407-826-5314 (Tel)	Sampler: [Blank] Phone: [Blank]	Job #/Title: [Blank] Robertson, Nancy E-Mail: nancy.robertson@testamericainc.com	Carrier Tracking Note(s): [Blank]	COC No: 660-53196-1 Page: Page 1 of 1 Job #: 660-52743-1
--	---	------------------------------------	--	-----------------------------------	--

Due Date Requested: 2/22/2013 TAT Requested (days): [Blank]	Analysis Requested	Field Filtered Sample (Yes or No): [Blank] Perform MS/MSD (Yes or No): [Blank] SUBCONTRACT/ Chlorophyll A	Preservation Codes: A - HCl B - H2O2 C - 2% Acetic Acid D - Nitric Acid E - NaHSO4 F - MACH G - Anchlor H - Acetic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AHHO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrite U - Acetone V - MCAA W - pH 4.5 X - other (specify)
--	--------------------	---	--

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=grab)	Matrix (Water, Soil, Sediment, Air, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Chlorophyll A	Total Number of containers	Special Instructions/Note:
3C2 (660-52743-1)	2/18/13	12:45	Water	Water	X	X		1	A300994
MINE CUT ID (660-52743-2)	2/18/13	13:20	Water	Water	X	X		1	
BLANK EQUIPMENT (660-52743-3)	2/18/13	12:35	Water	Water	X	X		1	

Possible Hazard Identification
 Unconfirmed: _____
 Deliverable Requested: I, II, III, IV, Other (specify): _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: _____

Empty Kit Relinquished by: [Signature]	Date: [Blank]	Time: [Blank]	Method of Shipment: [Blank]
Relinquished for: [Signature]	Date/Time: 2-18-13 @ 16:30	Company: TH TH	Received by: [Signature]
Relinquished for: [Signature]	Date/Time: 2/19/13 @ 2:10	Company: TH TH	Received by: [Signature]
Relinquished for: [Signature]	Date/Time: 2/14/13 @ 1:30	Company: TH TH	Received by: [Signature]
Custody Seals Intact: A Yes A No	Custody Seal No.: [Blank]	Copy (temperature(s) °C and Other Remarks): Client cooler 3K	

660-52743

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

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME _____
RELINQUISHED BY: Erika Edwards REP. OF CONTRACT LAB. 2/13/13 1420
ACCEPTED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 9:40
LOCATION: SURFACE SITE 3C2 WACS# 838
SAMPLE MATRIX: WATER OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE
COLLECTION A.Balloon JF

FIELD PARAMETERS:							
BY	TIME	TEMP	COND	PH	DO	TURB	
	12:45	11.7	254	7.19	10.5	1.06	
JF	12:45	11.7	198	5.53	9.24	1.42	=

COLORS & SHEENS: YES LIFE GREEN CLEAR NO SHEEN

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
3	40 ml VIAL	6	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml. GLASS		125 ml. GLASS	
1	250 ml. PLASTIC	4	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
3	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
2	BACTERIAL		BACTERIAL	

19 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-18-13 11:20 12:45

ANALYSIS REQUESTED:
BOD5 CHLOROPHYLL-A COD FECAL COLIFORM IRON MERCURY NITRATE NITROGEN
TDS TOC TOTAL HARDNESS TOTAL NITROGEN TOTAL PHOSPHATE TSS
UNIONIZED AMMONIA

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 2:45
ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-18-13 2:45

COMMENT'S: WO# 0074 rel to 2/18/13 1545
Reed Carol McMully 2/18/13 1545

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: Ernie Edwards REP. OF CONTRACT LAB. 2/13/13 14:20

ACCEPTED BY: Aze REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: MINE CUT #1D WACS# 834

SAMPLE MATRIX: WATER OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE

COLLECTION A. Balloon JF

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	1:20	15.7	488	6.98	4.95	12.3

COLORS & SHEENS: YES LIFE GREEN (NO) SHEEN

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
3	40 ml VIAL	6	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
1	250 ml. PLASTIC	4	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
3	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
2	BACTERIAL		BACTERIAL	

19 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-18-13 1:20

ANALYSIS REQUESTED:

BOD5 CHLOROPHYLL-A COD FECAL COLIFORM IRON MERCURY NITRATE NITROGE
TDS TOC TOTAL HARDNESS TOTAL NITROGEN TOTAL PHOSPHATE TSS
UNIONIZED AMMONIA

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES: Aze DATE | TIME
 RELINQUISHED BY: _____ REP. OF SOLID WASTE DEPT. 2-18-13 2:45
 ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-18-13 2:45

COMMENT'S: WO# 0079 re JF file 2/18/13 1545
Reed local me party 2/18/13 1545

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: Erika Edwards REP. OF CONTRACT LAB.

2/13/13 14:20

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT.

2-18-13 | 9:40

LOCATION: SURF. WATER Equip. Blank SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JJK

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>1</u>	250 ml. PLASTIC	<u>4</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>3</u>	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
<u>2</u>	BACTERIAL		BACTERIAL	

19 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-18-13 | 2:35

ANALYSIS REQUESTED:

BOD5 CHLOROPHYLL-A COD FECAL COLIFORM IRON MERCURY NITRATE NITROGEN
TDS TOC TOTAL HARDNESS TOTAL NITROGEN TOTAL PHOSPHATE TSS
UNIONIZED AMMONIA

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: ASL
 ACCEPTED BY: JJK

DATE | TIME
 REP. OF SOLID WASTE DEPT. 2-18-13 2:45
 REP. OF CONTRACT LAB. 2-18-13 2:45

COMMENTS: WO # 0074 rel JJK 2/18/13 1545
Rec'd label the quality 2/18/13 1545

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. 2-18-13 9:40

LOCATION: Keen Jr. WACS# 28079

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon _____

WELL VOLUME TO PURGE: 15 MIN:

PURGE STARTED: DATE 2-18-13 TIME 2:10

ACTUAL PURGE TIME: 24 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB</u>	<u>2:25</u>	<u>25.0</u>	<u>360</u>	<u>7.44</u>	<u>.24</u>	<u>.19</u>
<u>AB</u>	<u>2:27</u>	<u>25.0</u>	<u>359</u>	<u>7.44</u>	<u>.23</u>	<u>.08</u>
<u>AB</u>	<u>2:29</u>	<u>25.0</u>	<u>359</u>	<u>7.45</u>	<u>.21</u>	<u>.21</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>2</u>	LITER PLASTIC	<u>3</u>	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

18 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-18-13 | 2:29

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS ALPHA IRON
LEAD MERCURY NICKEL NITRATE NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
 Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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

ABOVE LISTED SAMPLES: _____
 RELINQUISHED BY: AB DATE | TIME _____
 ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-18-13 | 2:45
 REP. OF CONTRACT LAB. 2-18-13 | 2:45

COMMENT'S: W0110079 rel the 2/18/13 1545
Reed Carol Mc Nulty 2/18/13 1545

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: _____

DATE | TIME _____

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: BARNES WACS# 881 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A-Balloon JF

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-18-13 TIME 11:15

ACTUAL PURGE TIME: 24 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB</u>	<u>JF 11:30</u>	<u>19.2</u>	<u>367</u>	<u>7.24</u>	<u>3.02</u>	<u>.81</u>
<u>AB</u>	<u>JF 11:32</u>	<u>19.2</u>	<u>367</u>	<u>7.24</u>	<u>3.00</u>	<u>.83</u>
<u>AB</u>	<u>JF 11:34</u>	<u>19.2</u>	<u>367</u>	<u>7.25</u>	<u>2.99</u>	<u>.79</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>2</u>	LITER PLASTIC	<u>3</u>	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

18 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-18-13 11:34

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS - ALPHA IRON
LEAD MERCURY NICKEL NITRATE - NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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. 2-18-13 2:45
 ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-18-13 2:45

COMMENT'S: W07# 0074 re 1 The 1545 2/18/13
Reed Carol Mc Nulty 2/18/13 1545

**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: AG REP. OF SOLID WASTE DEPT 2-18-13 | 9:40

LOCATION: HOLLAND WACS# 883 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF _____

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-18-13 TIME 10:40

ACTUAL PURGE TIME: 24 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JF</u>	<u>10:55</u>	<u>22.3</u>	<u>415</u>	<u>7.02</u>	<u>.09</u>	<u>.27</u>
<u>JF</u>	<u>10:57</u>	<u>22.2</u>	<u>414</u>	<u>7.03</u>	<u>.10</u>	<u>.32</u>
<u>JF</u>	<u>10:59</u>	<u>22.2</u>	<u>413</u>	<u>7.04</u>	<u>.11</u>	<u>.31</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>2</u>	LITER PLASTIC	<u>3</u>	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

18 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-18-13 | 10:59

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS ALPHA IRON
LEAD MERCURY NICKEL NITRATE NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____

RELINQUISHED BY: AG REP. OF SOLID WASTE DEPT. 2-18-13 | 2:45

ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-18-13 | 3:45

COMMENT'S: WOTH 0074 rel JF 2/18/13 1545

Red label included 2/18/13 1545

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: AS REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: WEEKS WACS# 914 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-18-13 TIME 9:45

ACTUAL PURGE TIME: 24 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AS</u>	<u>JF 10.05</u>	<u>23.25</u>	<u>536</u>	<u>6.74</u>	<u>1.08</u>	<u>.78</u>
<u>AS</u>	<u>JF 10.07</u>	<u>23.24</u>	<u>536</u>	<u>6.78</u>	<u>1.10</u>	<u>1.20</u>
<u>AS</u>	<u>JF 10.09</u>	<u>23.25</u>	<u>536</u>	<u>6.79</u>	<u>1.11</u>	<u>1.21</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>2</u>	LITER PLASTIC	<u>3</u>	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

18 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-18-13 | 10:09

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS ALPHA IRON
LEAD MERCURY NICKEL NITRATE NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
 Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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

ABOVE LISTED SAMPLES: _____ DATE | TIME

RELINQUISHED BY: AS REP. OF SOLID WASTE DEPT. 2-18-13 | 2:45

ACCEPTED BY: Jue REP. OF CONTRACT LAB. 2-18-13 | 2:45

COMMENT'S: watt 0074 re: Jue 1545 2/18/13
Red local mch 2/18/13 1545

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: ABC REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

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

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon TF

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>6</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC	<u>2</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
<u>2</u>	LITER PLASTIC	<u>3</u>	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

18 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-18-13 | 9:45

ANALYSIS REQUESTED:

Ammonia-Nitrogen Nitrate-Nitrogen Total Nitrogen unionized-Ammonia BOD COD
~~Chlorophyll a~~ TOC TDS TSS Chloride Total Phosphate Total Hardness Antimony
 Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Mercury
 Nickel Selenium Silver Sodium Thallium Vanadium Zinc Gross-Alpha Radium-226
 Radium-228 40 CFR Part 258 Appendix I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: ABC REP. OF SOLID WASTE DEPT. 2-18-13 | 2:45
 ACCEPTED BY: ABC REP. OF CONTRACT LAB. 2-18-13 | 2:45

COMMENT'S: WO# 0074 not the 2/18/13 1545
See Carol Mc Nulty 2/18/13 1545

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

BLANK, TRAVEL

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: AA REP. OF SOLID WASTE DEPT. 2-18-13 9:40

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

PERSONAL ENGAGED IN SAMPLE COLLECTION: A. Balloon JF _____

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE TIME
<u>2</u>	<u>VOC</u>	<u>1:1 HCL</u>	<u>2-40 ml. SEPTUM VIA</u>	<u>2-18-13 9:43</u>

2 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

EPA 8260

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

ABOVE LISTED SAMPLES: _____ DATE | TIME

RELINQUISHED BY: AA REP. OF SOLID WASTE DEPT. 2-18-13 3:45

ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-18-13 2:45

COMMENT'S: NO70074 col JF 2/18/13 1506
Bea Carol McNulty 2/18/13 1845

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: HACH 04100084256 / YSI 08H10001

SITE NAME: HESD/SELF SITE LOCATION: 1. Free FL
 WELL NO: _____ SAMPLE ID: weaves DATE: 2/18/13

PURGING DATA

WELL DIAMETER (inches): 1.5 TUBING DIAMETER (inches): 1.5 WELL SCREEN INTERVAL DEPTH: _____ TO WATER (feet): NA STATIC DEPTH TO WATER (feet): _____ PURGE PUMP TYPE OR BAILER: valve
 Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
 MP Elevation = _____ Private well
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = NA feet - NA feet X _____ gallons/foot = _____ gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
<u>NA</u>	<u>NA</u>	<u>0950</u>	<u>1009</u>	<u>950</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units)	DISSOLVED OXYGEN (circle units)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1005</u>	<u>75.0</u>	<u>75.0</u>	<u>50</u>	<u>NA</u>	<u>6.74</u>	<u>23.15</u>	<u>536</u>	<u>1.08</u>	<u>.78</u>	<u>clear</u>	<u>no</u>
<u>1007</u>	<u>10.0</u>	<u>85.0</u>	<u>50</u>	<u>↓</u>	<u>6.78</u>	<u>23.2</u>	<u>536</u>	<u>1.10</u>	<u>1.20</u>	<u>clear</u>	<u>no</u>
<u>1008</u>	<u>10.0</u>	<u>95.0</u>	<u>50</u>	<u>↓</u>	<u>6.79</u>	<u>23.2</u>	<u>536</u>	<u>1.11</u>	<u>1.21</u>	<u>clear</u>	<u>no</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fink TATPA SAMPLER(S) SIGNATURE(S): Jason Fink SAMPLING INITIATED AT: 0950 SAMPLING ENDED AT: 1030
 PUMP OR TUBING DEPTH IN WELL (feet): NA TUBING MATERIAL CODE: PE FIELD-FILTERED: Y FILTER SIZE: _____ µm
 Filtration Equipment Type: _____
 FIELD DECONTAMINATION: PUMP Y TUBING Y N (replaced) NA DUPLICATE: Y

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLER ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: check meters via del well purge 15 min before 1st read
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100034256 / YSI 08H10061 re 2/8/13

SITE NAME: <u>HCSW / SELF</u>	SITE LOCATION: <u>Lithia Pl.</u>
WELL NO: <u> </u>	SAMPLE ID: <u>Holland</u>
DATE: <u>2/8/13</u>	

PURGING DATA

WELL DIAMETER (Inches): <u>2.0</u>	TUBING DIAMETER (Inches): <u>2.0</u>	WELL SCREEN INTERVAL DEPTH: <u> </u> feet to <u> </u> feet	STATIC DEPTH TO WATER (feet): <u> </u>	PURGE PUMP TYPE OR BAILER: <u>Valuee</u>
Measuring Point Elevation (ft/msl) MP Elevation = <u> </u>		Water Level = <u> </u>		Water Level Elevation = <u> </u>

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (feet - feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>2.0</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>1.0</u>	PURGING INITIATED AT: <u>1040</u>	PURGING ENDED AT: <u>1059</u>	TOTAL VOLUME PURGED (gallons): <u>95.0</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)	COLOR describe	ODOR
1055	75.0	75.0	8.0	2.0	7.02	22.3	415	1.0	127	clear	no
1057	10.0	85.0	8.0	↓	7.03	22.2	414	1.10	132	clear	no
1059	10.0	95.0	8.0	↓	7.04	22.0	413	1.1	131	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>YSI Inc TO TPA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1040</u>	SAMPLING ENDED AT: <u>1105</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>2.0</u>	TUBING MATERIAL CODE: <u> </u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> TUBING <u>Y</u> N (replaced) <u> </u>	DUPLICATE: <u>Y</u>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL EID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: Client's meters used for well purge 15 min before sample / 1st

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicate; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling
GROUNDWATER SAMPLING LOG SET A

COC#: no

Meters: ~~HACH 041000342567 YST08H100644~~ PR151R

SITE NAME: AESW/SELF SITE LOCATION: 1.4th Fl
 WELL NO: _____ SAMPLE ID: Barnes DATE: 2/18/13

PURGING DATA

WELL DIAMETER (inches): no TUBING DIAMETER (inches): no WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet STATIC DEPTH TO WATER (feet): no PURGE PUMP TYPE OR BAILER: Value
 Measuring Point Elevation (ft/msl) _____ MP Elevation = _____ - Water Level = _____ Water Level Elevation _____

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = (no) feet - (no) feet X _____ gallons/foot = _____ gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): no FINAL PUMP OR TUBING DEPTH IN WELL (feet): no PURGING INITIATED AT: 1115 PURGING ENDED AT: 1134 TOTAL VOLUME PURGED (gallons): 95.0

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units)	DISSOLVED OXYGEN (circle units)	TURBIDITY (NTUs)	COLOR describe	ODOR
1130	75.0	75.0	5.0	no	7.24	19.2	367	3.02	.81	clear	no
1132	10.0	85.0	5.0	L	7.24	19.2	367	3.00	.83	clear	no
1134	10.0	95.0	5.0	L	7.25	19.2	367	2.99	.79	clear	no
<u>3/18/13</u>											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Lee TA TRA SAMPLER(S) SIGNATURE(S): Jason Lee SAMPLING INITIATED AT: 1114 SAMPLING ENDED AT: 1145
 PUMP OR TUBING DEPTH IN WELL (feet): no TUBING MATERIAL CODE: no FIELD-FILTERED: Y 0 FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y 0 TUBING Y, N (replaced) no DUPLICATE: Y 0

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COE</u>									

REMARKS: chills meters used / let well purge 15 min before 1st read / private well 60R
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling
GROUNDWATER SAMPLING LOG SET A

COC#: RA

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: ACSU / SECF SITE LOCATION: Ishtar Fl.
 WELL NO.: _____ SAMPLE ID: Keene DATE: 2/15/13

PURGING DATA

WELL DIAMETER (inches): 2.0 TUBING DIAMETER (inches): 1.5 WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet STATIC DEPTH TO WATER (feet): 20 PURGE PUMP TYPE OR BAILER: None
 Measuring Point Elevation (ft/msl) _____ MP Elevation = _____
 - Water Level = Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = 20 feet - 20 feet X _____ gallons/foot = _____ gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20 PURGING INITIATED AT: 1410 PURGING ENDED AT: 1429 TOTAL VOLUME PURGED (gallons): 95.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (micro units)	DISSOLVED OXYGEN (micro units)	TURBIDITY (NTUs)	COLOR describe	ODOR
1425	75.0	75.0	5.0	20	7.44	25.0	360	.24	.19	Clear	NO
1427	10.0	85.0	5.0	20	7.44	25.0	359	.23	.08	Clear	NO
1429	10.0	95.0	5.0	20	7.45	25.0	359	.21	.21	Clear	NO

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joselynne Tampa SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1410 SAMPLING ENDED AT: 1430
 PUMP OR TUBING DEPTH IN WELL (feet): 20 TUBING MATERIAL CODE: _____ FIELD-FILTERED: Y FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y TUBING Y N (replaced) NO DUPLICATE: Y

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml. per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS: Client's meters used for well purge is not leave 1st read Sunny 70%
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

660-52765

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME _____

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: TH-19 WACS# 821 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF _____

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____

TOTAL DEPTH OF WELL: 153.60 Ft. PURGE STARTED: 2-19-13 | 11:30

DEPTH TO WATER: 108.46 Ft. PURGE RATE: 1.0 GPM.

LENGTH OF WATER COL: 45.14 Ft. DATE | TIME _____

VOLUME TO PURGE: 7.2 Gal. PURGE ENDED: 2-19-13 | 11:42

ACT. VOL. PURGED: 12 GAL.

Draw Down: 109.32 12

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JF</u>	<u>11:38</u>	<u>23.2</u>	<u>360</u>	<u>7.17</u>	<u>1.29</u>	<u>.60</u>
<u>JF</u>	<u>11:40</u>	<u>23.3</u>	<u>360</u>	<u>7.18</u>	<u>.97</u>	<u>.34</u>
<u>JF</u>	<u>11:42</u>	<u>23.3</u>	<u>360</u>	<u>7.18</u>	<u>.79</u>	<u>.26</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED DATE | TIME
2-19-13 | 11:42

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____

RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-19-13 | 2:55

ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-19-13 | 2:55

COMMENT'S: WOF#0074 net fine hood 2/19/13
Rec'd landmully 2/19/13 1600

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: As REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: DUPLICATE SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION : A. Balloon JF

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml. VIAL	<u>3</u>	40 ml. VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml. GLASS		125 ml. GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-18-13

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME
 RELINQUISHED BY: As REP. OF SOLID WASTE DEPT. 2-18-13 2:55
 ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-18-13 2:55

COMMENT'S: wb #0074 rel Time 1600 2/19/13
feed anal McHully 2/19/13 1600

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: AS REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: TH-71A WACS# 22960 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JP

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 37.78 Ft. PURGE STARTED: 2-19-13 10:18
 DEPTH TO WATER: 27.51 Ft. PURGE RATE: 120 GPM.
 LENGTH OF WATER COL: 10.27 Ft. DATE | TIME _____
 VOLUME TO PURGE: 1.6 Gal. PURGE ENDED: 2-19-13 10:34
 ACT. VOL. PURGED: 3 GAL.
 Draw Down: 28.28

FIELD PARAMETERS: 15

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JP</u>	<u>10:28</u>	<u>24.5</u>	<u>816</u>	<u>6.08</u>	<u>127</u>	<u>8.80</u>
<u>JP</u>	<u>10:31</u>	<u>24.5</u>	<u>815</u>	<u>6.09</u>	<u>122</u>	<u>8.37</u>
<u>JP</u>	<u>10:34</u>	<u>24.5</u>	<u>815</u>	<u>6.09</u>	<u>122</u>	<u>7.90</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 10:34

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: AS REP. OF SOLID WASTE DEPT. 2-19-13 2:55
 ACCEPTED BY: JP REP. OF CONTRACT LAB. 2-19-13 2:55

COMMENT'S: W 02#0074 reb fine 1600 2/19/13
Rea Carol McNulty 2/19/13 1600

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: ASL REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: TH-70A WACS# 22959 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A.Balloon JF

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME 2-19-13 10:52
 TOTAL DEPTH OF WELL: 36.58 Ft. PURGE STARTED: 2-19-13 10:19
 DEPTH TO WATER: 27.28 Ft. 27.28 PURGE RATE: .20 GPM.
 LENGTH OF WATER COL: 9.30 Ft. DATE | TIME _____
 VOLUME TO PURGE: 1.4 Gal. PURGE ENDED: 2-19-13 11:06
 ACT. VOL. PURGED: 2.8 GAL.
 Draw Down: 26.28 27.96

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	10:27	24.5	816	6.08	.27	8.80
JF	10:29	24.5	815	6.09	.22	8.37
JF	10:31	24.5	815	6.07	.22	7.99
	11:02	25.3	4.17	6.16	1.27	24.8
	11:04	25.3	4.17	6.17	1.12	25.1
	11:06	25.3	4.17	6.17	1.06	23.2

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
3	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml. GLASS		125 ml. GLASS	
2	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 11:06
11:06

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: ASL REP. OF SOLID WASTE DEPT. 2-19-13 2:55
 ACCEPTED BY: Jord REP. OF CONTRACT LAB. 2-19-13 2:55

COMMENT'S: WORK 0074 rel Aug 1600 2/19/13
Bed Canal Me Mully 2/19/13 1600

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. 2-18-13 | 9:40

LOCATION: TH-69A WACS# 22958

SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION

A. Balloon JF

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 35.00 Ft.

DEPTH TO WATER: 25.71 Ft.

LENGTH OF WATER COL: 9.29 Ft.

VOLUME TO PURGE: 1.4 Gal.

PURGE STARTED: 2-19-13 | 9:50

PURGE RATE: .20 GPM.

PURGE ENDED: 2-19-13 | 10:02

ACT. VOL. PURGED: 2.4 GAL.

Draw Down: 26.85

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB	DRAW DOWN
<u>AB</u>	<u>JF 9:58</u>	<u>24.8</u>	<u>892</u>	<u>5.76</u>	<u>.50</u>	<u>6.65</u>	<u>26.85</u>
<u>AB</u>	<u>JF 10:00</u>	<u>24.8</u>	<u>892</u>	<u>5.79</u>	<u>.43</u>	<u>3.12</u>	<u>26.85</u>
<u>AB</u>	<u>JF 10:02</u>	<u>24.9</u>	<u>892</u>	<u>5.80</u>	<u>.38</u>	<u>2.43</u>	<u>26.85</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-19-13 | 10:02

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: AB

REP. OF SOLID WASTE DEPT. 2-19-13 | 2:55

ACCEPTED BY: JF

REP. OF CONTRACT LAB. 2-19-13 | 2:55

COMMENTS: WO# 0074

rel JF 1600 2/19/13

Red Carol McNally 2/19/13 1650

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: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: TH-36-A WACS# 20329 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION [A. Balloon] [Signature]

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 38.70 Ft. PURGE STARTED: 2-19-13 12:07
 DEPTH TO WATER: 33.04 Ft. PURGE RATE: .10 GPM.
 LENGTH OF WATER COL: 5.66 Ft. DATE | TIME _____
 VOLUME TO PURGE: .9 Gal. PURGE ENDED: 2-19-13 12:27
 ACT. VOL. PURGED: 1.5 GAL.
 Draw Down: 33.73

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JT</u>	<u>12:16</u>	<u>25.0</u>	<u>149</u>	<u>5.58</u>	<u>.85</u>	<u>5.80</u>
<u>JT</u>	<u>12:19</u>	<u>25.0</u>	<u>148</u>	<u>5.58</u>	<u>.72</u>	<u>6.41</u>
<u>JT</u>	<u>12:22</u>	<u>25.0</u>	<u>147</u>	<u>5.58</u>	<u>.59</u>	<u>6.85</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	250 ml. PLASTIC		250 ml. PLASTIC	
	250 ml. GLASS	<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 12:27

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 4/25 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-19-13 2:55
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-19-13 2:55

COMMENT'S: W046074 net JTR 1600 2/19/13
Reed Carol McHully 2/19/13 1600

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: Aze REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: TH-40 WACS# 822 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 165.90 Ft. PURGE STARTED: 2-18-13 2:30
 DEPTH TO WATER: 103.55 Ft. PURGE RATE: 1.0 GPM.
 LENGTH OF WATER COL: 63.35 Ft. DATE | TIME _____
 VOLUME TO PURGE: 9.9 Gal. PURGE ENDED: 2-18-13 2:48
 ACT. VOL. PURGED: 16 GAL.
 Draw Down: 103.55

FIELD PARAMETERS: 16

BY	TIME	TEMP	COND	PH	DO	TURB
<u>Aze</u>	<u>JF 2:40</u>	<u>23.4</u>	<u>332</u>	<u>7.17</u>	<u>.66</u>	<u>.97</u>
<u>Aze</u>	<u>JF 2:43</u>	<u>23.5</u>	<u>327</u>	<u>7.16</u>	<u>.55</u>	<u>.09</u>
<u>Aze</u>	<u>JF 2:46</u>	<u>23.5</u>	<u>326</u>	<u>7.16</u>	<u>.55</u>	<u>.33</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml. GLASS		125 ml. GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-18-13 2:48

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 2:55
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-18-13 2:55

COMMENT'S: WO#0074 net time 1600 2/18/13
Beck and McNulty 2/18/13 1600

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: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: TH-68 WACS# 22039 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 22.20 Ft. PURGE STARTED: 2-19-13 | 12:45
 DEPTH TO WATER: 19.59 Ft. PURGE RATE: .05 10 GPM.
 LENGTH OF WATER COL: _____ Ft. DATE | TIME _____
 VOLUME TO PURGE: _____ Gal. PURGE ENDED: 2-19-13 | 1:06
 ACT. VOL. PURGED: 1.05 GAL.
 Draw Down: 25.7

FIELD PARAMETERS: 21

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JF</u>	<u>1:00</u>	<u>25.7</u>	<u>237</u>	<u>5.44</u>	<u>.77</u>	<u>19.6</u>
<u>JF</u>	<u>1:03</u>	<u>25.7</u>	<u>235</u>	<u>5.43</u>	<u>.61</u>	<u>18.5</u>
<u>JF</u>	<u>1:06</u>	<u>25.7</u>	<u>235</u>	<u>5.43</u>	<u>.57</u>	<u>17.1</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 | 1:06

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-19-13 | 2:55
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-19-13 | 2:55

COMMENT'S: no tags 74 rel JF 1600 2/19/13
beck Carol McMully 2/19/13 1600

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: [Signature] REP. OF SOLID WASTE DEPT. 2-19-13 9:40

LOCATION: TH-64 WACS# 20494 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF _____

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 23.00 Ft. PURGE STARTED: 9-19-13 1:22
 DEPTH TO WATER: 18.42 Ft. PURGE RATE: 10 GPM.
 LENGTH OF WATER COL: 4.58 Ft. DATE | TIME _____
 VOLUME TO PURGE: .7 Gal. PURGE ENDED: 9-19-13 1:34
 ACT. VOL. PURGED: 1.2 GAL.
 Draw Down: 19.22

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
<u>B</u>	<u>JF 1:30</u>	<u>25.6</u>	<u>268</u>	<u>4.88</u>	<u>.30</u>	<u>16.1</u>
<u>B</u>	<u>JF 1:32</u>	<u>25.6</u>	<u>267</u>	<u>4.89</u>	<u>.28</u>	<u>14.6</u>
<u>B</u>	<u>JF 1:34</u>	<u>25.6</u>	<u>266</u>	<u>4.90</u>	<u>.25</u>	<u>12.9</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 1:34

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-19-13 2:55
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-19-13 2:55

COMMENT'S: W00# 0074 rel Fine 1600 2/19/13
Reed Canal Me Multy 2/19/13 1600

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: Ben REP. OF SOLID WASTE, DEPT. 2-18-13 9:40

LOCATION: TH-61A WACS# 22595 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 20.00 Ft. PURGE STARTED: 2-19-13 1:55
 DEPTH TO WATER: 18.51 Ft. PURGE RATE: .05 GPM.
 LENGTH OF WATER COL: 1.49 Ft. DATE | TIME _____
 VOLUME TO PURGE: .2 Gal. PURGE ENDED: 2-19-13 2:05
 ACT. VOL. PURGED: .5 GAL.
 Draw Down: 20.35

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB	
<u>A3</u>	<u>JF 2:01</u>	<u>24.8</u>	<u>190</u>	<u>5.61</u>	<u>1.21</u>	<u>2.66</u>	<u>19.99</u>
<u>A3</u>	<u>JF 2:03</u>	<u>24.8</u>	<u>190</u>	<u>5.60</u>	<u>1.02</u>	<u>2.75</u>	<u>20.10</u>
<u>A3</u>	<u>JF 2:05</u>	<u>24.8</u>	<u>191</u>	<u>5.61</u>	<u>1.93</u>	<u>2.10</u>	<u>20.35</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 2:05

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 7/124 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: Ben REP. OF SOLID WASTE DEPT 2-19-13 2:55
 ACCEPTED BY: Ben REP. OF CONTRACT LAB: 2-19-13 2:55

COMMENT'S: WAF 0074 rel Fine 1600 2/19/13
Ben and McHally 2/19/13 1600

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

PRECLEANED SAMPLE CONTAINERS:

DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-19-13 9:40

LOCATION: Equipment Blank SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION : A. Balloon JF

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
3	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-19-13 | 9:30

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME
 RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 2-19-13 | 2:55
 ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-19-13 | 2:55

COMMENT'S: WO # 0074 rel Time 1600 2/19/13
Rec Anal McHully 2/19/13 1600

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

BLANK, TRAVEL

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: ABC REP. OF SOLID WASTE DEPT. 2-18-13 9:40

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

PERSONAL ENGAGED IN SAMPLE COLLECTION: A. Balloon JF

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
				DATE	TIME
<u>2</u>	VOC	1:1 HCL	2-40 ml. SEPTUM VIAL	<u>2-19-13</u>	<u>9:27</u>

2 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

EPA 8260

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

ABOVE LISTED SAMPLES: _____ DATE | TIME

RELINQUISHED BY: ABC REP. OF SOLID WASTE DEPT. 2-19-13 2:55

ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-19-13 2:55

COMMENT'S: w080074 rel JF 1600 2/19/13

Recd Carol McNulty 2/19/13 1600

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100034250 / YSI 08H100611 OR 2/19/13

SITE NAME: <u>HSAW / SELF</u>		SITE LOCATION: <u>Fltwa Fl</u>	
WELL NO:	SAMPLE ID: <u>TH 19</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1 1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>108.46</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = 153.60 feet 108.46 (feet) X 1.16 gallons/foot = 7.22 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>152.60</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>152.60</u>	PURGING INITIATED AT: <u>1130</u>	PURGING ENDED AT: <u>1142</u>	TOTAL VOLUME PURGED (gallons): <u>12.0</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circum. units) µS/cm	DISSOLVED OXYGEN (circum. units) mg/L	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1138</u>	<u>8.0</u>	<u>8.0</u>	<u>1.0</u>	<u>109.32</u>	<u>7.0</u>	<u>23.2</u>	<u>360</u>	<u>1.22</u>	<u>100</u>	<u>clear</u>	<u>no</u>
<u>1140</u>	<u>2.0</u>	<u>10.0</u>	<u>1.0</u>	<u>109.32</u>	<u>7.18</u>	<u>23.3</u>	<u>360</u>	<u>1.97</u>	<u>34</u>	<u>clear</u>	<u>no</u>
<u>1142</u>	<u>2.0</u>	<u>12.0</u>	<u>1.0</u>	<u>109.32</u>	<u>7.18</u>	<u>23.3</u>	<u>360</u>	<u>1.79</u>	<u>26</u>	<u>clear</u>	<u>no</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>John Fair TATRA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1123</u>	SAMPLING ENDED AT: <u>1153</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>152.60</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u> </u> µm

FIELD DECONTAMINATION: PUMP <u>Y</u> TUBING <u>Y</u> (replaced)	DUPLICATE: <u>Y</u>
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See Col</u>									

REMARKS: Charts notes used dedicate pump & tubing Dog dae Summary to [Signature]

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: HACH U4100034256 / YSI 66H400644

SITE NAME: <u>ACSW/SELF</u>		SITE LOCATION: <u>litra P</u>	
WELL NO:		SAMPLE ID: <u>TH 71A</u>	
		DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>27.51</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl)		- Water Level = Water Level Elevation		
MP Elevation =				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = $(36.78 \text{ feet} - 27.51(1027) \text{ feet}) \times 1.16 \text{ gallons/foot} = 1.04 \text{ gallons}$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>36.78</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>36.78</u>	PURGING INITIATED AT: <u>1029</u>	PURGING ENDED AT: <u>1034</u>	TOTAL VOLUME PURGED (gallons): <u>3.0</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)	COLOR describe	ODOR
1028	1.80	1.80	.20	28.28	6.08	24.5	816	.22	8.80	clear	yes
1031	1.60	2.40	.20	28.28	6.09	24.5	815	.22	8.37	clear	yes
1034	1.60	3.0	.20	28.28	6.09	24.5	815	.22	7.90	clear	yes

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jason Fine JTF/DE</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1041</u>	SAMPLING ENDED AT: <u>1041</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>36.78</u>	TUBING MATERIAL CODE: <u>J</u>	FIELD-FILTERED: Y <u>0</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP Y <u>0</u>	TUBING Y <u>0</u> (replaced)	DUPLICATE: Y <u>0</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COL</u>									

REMARKS: plastic meters used dedicated pump + tubing Sunny 6709

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: RD

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: <u>ACSW / SELF</u>	SITE LOCATION: <u>Lithia Fl</u>
WELL NO:	SAMPLE ID: <u>TH 70 A</u>
	DATE: <u>2/19/13</u>

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1 1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>27.28</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (35.58 feet - 27.28 (9.30) feet) X 1.16 gallons/foot = 1.98 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>35.58</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>35.58</u>	PURGING INITIATED AT: <u>1052</u>	PURGING ENDED AT: <u>1106</u>	TOTAL VOLUME PURGED (gallons): <u>2.80</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1100</u>	<u>1.40</u>	<u>1.40</u>	<u>.20</u>	<u>27.96</u>	<u>6.17</u>	<u>25.3</u>	<u>47</u>	<u>1.51</u>	<u>32.3</u>	<u>H orange</u>	<u>RD</u>
<u>1102</u>	<u>.40</u>	<u>2.0</u>	<u>.20</u>	<u>27.96</u>	<u>6.16</u>	<u>25.3</u>	<u>47</u>	<u>1.27</u>	<u>24.8</u>	<u>H orange</u>	<u>RD</u>
<u>1104</u>	<u>.40</u>	<u>2.40</u>	<u>.20</u>	<u>27.96</u>	<u>6.17</u>	<u>25.3</u>	<u>416</u>	<u>1.12</u>	<u>25.1</u>	<u>H orange</u>	<u>RD</u>
<u>1106</u>	<u>.40</u>	<u>2.80</u>	<u>RD</u>	<u>27.96</u>	<u>6.17</u>	<u>25.3</u>	<u>416</u>	<u>1.06</u>	<u>22.2</u>	<u>H orange</u>	<u>RD</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) AFFILIATION: <u>Sunny JATRA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1058</u>	SAMPLING ENDED AT: <u>1113</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>35.58</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u>RD</u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u>	TUBING <u>Y</u> (replaced)	DUPLICATE: <u>Y</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS:

drums meters used dedicated pump tubing Sunny JATRA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100014256 / YSI 081100641

SITE NAME: <u>Asw / Seaf</u>		SITE LOCATION: <u>1st Area #1</u>	
WELL NO:	SAMPLE ID: <u>#1 C9-A</u>	DATE: <u>2/9/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1 1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>2571</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl)		- Water Level = Water Level Elevation		
MP Elevation =				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (35.0 feet - 25.71 (9.29) feet) X 1.48 gallons/foot = 1.48 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>34.0</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>34.0</u>	PURGING INITIATED AT: <u>0950</u>	PURGING ENDED AT: <u>1002</u>	TOTAL VOLUME PURGED (gallons): <u>2.40</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
0950	1.60	1.60	120	26.85	5.76	24.8	892	1.50	3.65	clear	no
1000	.40	2.0	120	26.85	5.79	24.8	892	.43	3.12	clear	no
1002	.40	2.40	120	26.85	5.80	24.7	892	1.88	2.43	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) & AFFILIATION: <u>John T. ...</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>0955</u>	SAMPLING ENDED AT: <u>1001</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>34.0</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTRATION EQUIPMENT TYPE: <u>2</u>
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N <input type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS: Client meter used oblique pump (Turb) Equine 0930 68R

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: 20

Meters: HACH 04100034256 / YSI 08H100011 2/19/13

SITE NAME: <u>HCSW / SELF</u>		SITE LOCATION: <u>Lithia Pt</u>	
WELL NO:	SAMPLE ID: <u>TH 36A</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1.5"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>33.04</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl)		- Water Level = Water Level Elevation		
MP Elevation =				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = 38.70 feet 33.04 (5.10) (feet) X 1.14 gallons/foot = .90 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>37.70</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>31.70</u>	PURGING INITIATED AT: <u>1207</u>	PURGING ENDED AT: <u>1222</u>	TOTAL VOLUME PURGED (gallons): <u>1.50</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (micro-mhos/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1216</u>	<u>.90</u>	<u>.90</u>	<u>.10</u>	<u>33.73</u>	<u>5.58</u>	<u>25.0</u>	<u>149</u>	<u>.85</u>	<u>5.80</u>	<u>clear</u>	<u>yes</u>
<u>1219</u>	<u>.30</u>	<u>1.20</u>	<u>.10</u>	<u>33.73</u>	<u>5.58</u>	<u>25.0</u>	<u>148</u>	<u>.72</u>	<u>6.41</u>	<u>clear</u>	<u>yes</u>
<u>1222</u>	<u>.30</u>	<u>1.50</u>	<u>.10</u>	<u>33.73</u>	<u>5.58</u>	<u>25.0</u>	<u>147</u>	<u>.59</u>	<u>6.85</u>	<u>clear</u>	<u>yes</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT/AFFILIATION): <u>John TATPA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1159</u>	SAMPLING ENDED AT: <u>1229</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>37.70</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> TUBING <u>Y</u> (Replaced)	DUPLICATE: <u>Y</u>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E IO CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS: check notes used dedicated pump flow

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Asu SELF</u>		SITE LOCATION: <u>litra fl</u>	
WELL NO:	SAMPLE ID: <u>T140</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>103.55</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (165.90 feet - 103.55 (feet)) X 110 gallons/foot = 9.97 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>164.90</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>164.90</u>	PURGING INITIATED AT: <u>1430</u>	PURGING ENDED AT: <u>1444</u>	TOTAL VOLUME PURGED (gallons): <u>1600</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) <small>µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>mg/L</small>	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1440</u>	<u>10.0</u>	<u>10.0</u>	<u>1.0</u>	<u>103.55</u>	<u>7.12</u>	<u>23.4</u>	<u>332</u>	<u>1.60</u>	<u>.97</u>	<u>clear</u>	<u>yes</u>
<u>1445</u>	<u>3.0</u>	<u>13.0</u>	<u>1.0</u>	<u>103.55</u>	<u>7.16</u>	<u>23.5</u>	<u>327</u>	<u>1.55</u>	<u>.89</u>	<u>clear</u>	<u>yes</u>
<u>1446</u>	<u>3.0</u>	<u>16.0</u>	<u>1.0</u>	<u>103.55</u>	<u>7.16</u>	<u>23.5</u>	<u>326</u>	<u>1.55</u>	<u>.85</u>	<u>clear</u>	<u>yes</u>
<u>JA 2/19/13</u>											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jason Jone TA-TPA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1426</u>	SAMPLING ENDED AT: <u>1453</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>164.90</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u>0</u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> TUBING <u>Y</u> (replaced)		DUPLICATE: <u>Y</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS: clients meters used dedicated pump tubing portable 7508

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: re

Meters: HACH 04100034256 / YSI 08H100611 2/2/13

SITE NAME: <u>HCSW SELF</u>		SITE LOCATION: <u>1 Area #1</u>	
WELL NO:	SAMPLE ID: <u>JH 628</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>9.59</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level = Water Level Elevation		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>22.20</u> feet - <u>9.59</u> (2.61) feet X <u>116</u> gallons/foot = <u>141</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units)	DISSOLVED OXYGEN (circle units)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1254</u>	<u>.45</u>	<u>.45</u>	<u>.05</u>	<u>20.15</u>	<u>5.46</u>	<u>25.7</u>	<u>2360</u>	<u>1.25</u>	<u>27.3</u>	<u>lt grey</u>	<u>no</u>
<u>1257</u>	<u>.16</u>	<u>.60</u>	<u>.05</u>	<u>20.15</u>	<u>5.44</u>	<u>25.7</u>	<u>2360</u>	<u>.86</u>	<u>23.0</u>	<u>lt grey</u>	<u>no</u>
<u>1300</u>	<u>.15</u>	<u>.75</u>	<u>.05</u>	<u>20.15</u>	<u>5.44</u>	<u>25.7</u>	<u>237</u>	<u>.7</u>	<u>19.4</u>	<u>lt grey</u>	<u>no</u>
<u>1303</u>	<u>.15</u>	<u>.90</u>	<u>.05</u>	<u>20.15</u>	<u>5.43</u>	<u>25.7</u>	<u>235</u>	<u>1.61</u>	<u>18.5</u>	<u>clear</u>	<u>no</u>
<u>1306</u>	<u>.15</u>	<u>1.05</u>	<u>.05</u>	<u>20.15</u>	<u>5.43</u>	<u>25.7</u>	<u>235</u>	<u>1.57</u>	<u>17.1</u>	<u>clear</u>	<u>no</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) AFFILIATION: <u>Jonathan TATTA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1258</u>	SAMPLING ENDED AT: <u>1313</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>21.20</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> D	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>Soil COC</u>									

REMARKS: elbow meter used dedicated pump tubing 2/19/13

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100034256 / YSI 09H100644 2/19/13

SITE NAME: <u>HCSW / SECF</u>		SITE LOCATION: <u>1 of Area A</u>	
WELL NO:	SAMPLE ID: <u>TH 604</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>18.42</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (13.0 feet - 18.42 (4.58) feet) X 116 gallons/foot = 13 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>22.0</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>22.0</u>	PURGING INITIATED AT: <u>1322</u>	PURGING ENDED AT: <u>1334</u>	TOTAL VOLUME PURGED (gallons): <u>1.20</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1330</u>	<u>.80</u>	<u>.80</u>	<u>.10</u>	<u>19.22</u>	<u>4.85</u>	<u>25.4</u>	<u>200</u>	<u>.30</u>	<u>16.1</u>	<u>clear</u>	<u>4.5</u>
<u>1332</u>	<u>.20</u>	<u>1.0</u>	<u>.10</u>	<u>19.22</u>	<u>4.89</u>	<u>25.6</u>	<u>207</u>	<u>.28</u>	<u>14.4</u>	<u>clear</u>	<u>4.9</u>
<u>1334</u>	<u>.20</u>	<u>1.20</u>	<u>.10</u>	<u>19.22</u>	<u>4.90</u>	<u>25.6</u>	<u>200</u>	<u>.25</u>	<u>12.9</u>	<u>clear</u>	<u>4.9</u>
<u>2/19/13</u>											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jonathan TATTA</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1320</u>	SAMPLING ENDED AT: <u>1341</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>22.0</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (Replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>SEE COL</u>									

REMARKS: Always make sure I used dedicated pump & tubing

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: 02

Meters: HACH 04100014256 / YSI 08H100641

SITE NAME: <u>Asw/SELF</u>		SITE LOCATION: <u>1st Area #</u>	
WELL NO:	SAMPLE ID: <u>TH 61A</u>	DATE: <u>2/19/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>18.51</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation MP Elevation =				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>20.0</u> feet - <u>18.51</u> (1.49) feet X <u>1.4</u> gallons/foot = <u>1.23</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
<u>9.0</u>	<u>9.0</u>	<u>1355</u>	<u>1405</u>	<u>.50</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) %	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1401</u>	<u>.50</u>	<u>.50</u>	<u>.05</u>	<u>19.99</u>	<u>5.61</u>	<u>24.8</u>	<u>190</u>	<u>1.21</u>	<u>2.66</u>	<u>clear</u>	<u>yes</u>
<u>1403</u>	<u>.10</u>	<u>.40</u>	<u>.05</u>	<u>20.10</u>	<u>5.60</u>	<u>24.8</u>	<u>190</u>	<u>1.02</u>	<u>2.25</u>	<u>clear</u>	<u>yes</u>
<u>1405</u>	<u>.10</u>	<u>.50</u>	<u>.05</u>	<u>20.35</u>	<u>5.61</u>	<u>24.8</u>	<u>191</u>	<u>.92</u>	<u>2.10</u>	<u>clear</u>	<u>yes</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jason T. TAC</u>	SAMPLER(S) SIGNATURE(S): <u>Jason TAC</u>	SAMPLING INITIATED AT: <u>1348</u>	SAMPLING ENDED AT: <u>1416</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>19.0</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u>1</u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> <input checked="" type="checkbox"/>	TUBING <u>Y</u> <input checked="" type="checkbox"/> (replaced)	DUPLICATE: <u>Y</u> <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See CDC</u>									

REMARKS:

Clank meters used dedicated pump + tubing at 24°C

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

660-52811

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: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: TH-65 WACS# 20530 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL DIAMETER: <u>2.0</u> INCH:			DATE TIME
TOTAL DEPTH OF WELL: <u>23.00</u> Ft.		PURGE STARTED:	<u>2-20-13 10:05</u>
DEPTH TO WATER: <u>14.83</u> Ft.		PURGE RATE:	<u>.20</u> GPM.
LENGTH OF WATER COL: <u>8.17</u> Ft.		PURGE ENDED:	<u>2-20-13 10:16</u>
VOLUME TO PURGE: <u>1.3</u> Gal.		ACT. VOL. PURGED:	<u>2.2</u> GAL.
		Draw Down:	<u>16.70</u>

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AJ</u>	<u>JF 10:12</u>	<u>23.7</u>	<u>285</u>	<u>5.02</u>	<u>.46</u>	<u>2.82</u>
<u>AJ</u>	<u>JF 10:14</u>	<u>23.8</u>	<u>281</u>	<u>5.09</u>	<u>.35</u>	<u>3.40</u>
<u>AJ</u>	<u>JF 10:16</u>	<u>23.8</u>	<u>281</u>	<u>5.09</u>	<u>.34</u>	<u>3.64</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-20-13 | 10:16

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-20-13 | 4:40
ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENT'S: W04# 0074 rel JF no 1800 2/20/13
Red Carol McHally 2/20/13 1800
0.5, 0.6% Cu-Zn

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: AG REP. OF SOLID WASTE DEPT. 2-18-13

LOCATION: TH-66A WACS# 22961 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 15.37 Ft. PURGE STARTED: 2-20-13 | 10:47
 DEPTH TO WATER: 10.04 Ft. PURGE RATE: .10 GPM.
 LENGTH OF WATER COL: 5.33 Ft. DATE | TIME _____
 VOLUME TO PURGE: .8 Gal. PURGE ENDED: 2-20-13 | 11:02
 ACT. VOL. PURGED: 1.5 GAL.
 Draw Down: 11.75

FIELD PARAMETERS: 15

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AG</u>	<u>JF 10:56</u>	<u>22.4</u>	<u>359</u>	<u>5.78</u>	<u>.84</u>	<u>2.14</u>
<u>AG</u>	<u>JF 10:59</u>	<u>22.4</u>	<u>359</u>	<u>5.79</u>	<u>.74</u>	<u>1.83</u>
<u>AG</u>	<u>JF 11:02</u>	<u>22.4</u>	<u>360</u>	<u>5.80</u>	<u>.71</u>	<u>1.91</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 | 11:02

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: AG REP. OF SOLID WASTE DEPT. 2-20-13 | 14:40
 ACCEPTED BY: AG REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENT'S: W0#0074 net fine 1800 2/20/13
Rec'd local McInally 2/20/13 1800

**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. 2-18-13 9:40

LOCATION: TH-67 WACS# 20532 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JP

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 15.25 Ft. PURGE STARTED: 2-20-13 11:16
 DEPTH TO WATER: 7.10 Ft. PURGE RATE: .10 GPM.
 LENGTH OF WATER COL: 8.15 Ft. DATE | TIME _____
 VOLUME TO PURGE: 1.3 Gal. PURGE ENDED: 2-20-13 11:37
 ACT. VOL. PURGED: 2.1 GAL.
 Draw Down: 9.95

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB</u>	<u>JP 11:29</u>	<u>22.9</u>	<u>678</u>	<u>6.24</u>	<u>.88</u>	<u>15.9</u>
<u>AB</u>	<u>JP 11:33</u>	<u>22.9</u>	<u>682</u>	<u>6.25</u>	<u>.81</u>	<u>15.4</u>
<u>AB</u>	<u>JP 11:37</u>	<u>22.7</u>	<u>684</u>	<u>6.25</u>	<u>.81</u>	<u>13.7</u>

13.9 per 2/27/13

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
2-20-13 11:37

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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. 2-20-13 4:40
 ACCEPTED BY: JP REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENT'S: u 0 # 0074 re 1 Time 1800 2/20/13
Rec Carl McNulty 2/20/13 1800

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: ABU REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: TH-22A WACS# 19861 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JA

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 27.90 Ft. PURGE STARTED: 2-20-13 | 12:03
 DEPTH TO WATER: 0.26 Ft. PURGE RATE: .25 GPM.
 LENGTH OF WATER COL: 21.64 Ft. DATE | TIME _____
 VOLUME TO PURGE: 3.4 Gal. PURGE ENDED: 2-20-13 | 12:25
 ACT. VOL. PURGED: 5.5 GAL.
 Draw Down: 8.32

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB</u>	<u>JA</u>	<u>12:17</u>	<u>21.4</u>	<u>239</u>	<u>4.31</u>	<u>.36</u>
<u>AB</u>	<u>JA</u>	<u>12:21</u>	<u>21.4</u>	<u>240</u>	<u>4.31</u>	<u>.39</u>
<u>AB</u>	<u>JA</u>	<u>12:25</u>	<u>21.4</u>	<u>239</u>	<u>4.32</u>	<u>.44</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 | 12:25

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: ABU REP. OF SOLID WASTE DEPT. 2-20-13 | 4:40
 ACCEPTED BY: JA REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENTS: WO# 0074 el Fine 2/20/13 1800
Bed level Mevulty 2/20/13 1800

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

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME _____
 RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____
 ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-18-13 9:40
 LOCATION: DUPLICATE SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION : A. Balloon JF

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
3	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13

ANALYSIS REQUESTED:

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

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 2-20-13 4:40
 ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENT'S: W0 #0074 rel Free 1800 2/20/13
Red Canal No quality 2/20/13 1800

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: [Signature] REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

LOCATION: TH-57 WACS# 1570 SAMPLE MATRIX: WATER OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JF

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 26.83 Ft. PURGE STARTED: 2-20-13 | 12:46
 DEPTH TO WATER: 19.41 Ft. PURGE RATE: .10 75 GPM.
 LENGTH OF WATER COL: 7.42 Ft. DATE | TIME _____
 VOLUME TO PURGE: 1.1 Gal. PURGE ENDED: 2-20-13 | 1:04
 ACT. VOL. PURGED: 1.8 GAL.
 Draw Down: 21.51

FIELD PARAMETERS: 18

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AJ</u>	<u>JF 12:58</u>	<u>26.4</u>	<u>183</u>	<u>4.97</u>	<u>.16</u>	<u>.56</u>
<u>AB</u>	<u>JF 1:01</u>	<u>26.4</u>	<u>185</u>	<u>4.98</u>	<u>.14</u>	<u>.71</u>
<u>AB</u>	<u>JF 1:04</u>	<u>26.4</u>	<u>186</u>	<u>4.99</u>	<u>.14</u>	<u>.67</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 | 1:04

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-20-13 | 4:40
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENT'S: WO# 0074 net JFue 1800 2/20/13
Feed local mully 2/20/13 1800

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: Asa REP. OF SOLID WASTE DEPT. 2-18-13 9:40
 LOCATION: TH-28A WACS# 19862 SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon JP

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 34.30 Ft. PURGE STARTED: 2-20-13 1:26
 DEPTH TO WATER: 28.83 Ft. PURGE RATE: .10 GPM.
 LENGTH OF WATER COL: 5.47 Ft. DATE | TIME _____
 VOLUME TO PURGE: .8 Gal. PURGE ENDED: 2-20-13 1:41
 ACT. VOL. PURGED: 1.5 GAL.
 Draw Down: 28.99

FIELD PARAMETERS: _____ 15

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JP</u>	<u>1:35</u>	<u>26.4</u>	<u>339</u>	<u>5.02</u>	<u>1.01</u>	<u>2.32</u>
<u>JP</u>	<u>1:38</u>	<u>26.4</u>	<u>336</u>	<u>5.01</u>	<u>.78</u>	<u>1.68</u>
<u>JP</u>	<u>1:41</u>	<u>26.4</u>	<u>334</u>	<u>5.01</u>	<u>.71</u>	<u>1.46</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 1:41

ANALYSIS REQUESTED:

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

PRESERVED SAMPLES PH < 2.0 2/13 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: Asa REP. OF SOLID WASTE DEPT. 2-20-13 4:40
 ACCEPTED BY: JP REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENT'S: WACS# 0079 rel Fine 1500 2/20/13
Reed Carol McNulty 2/20/13 1850

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: ASL REP. OF SOLID WASTE DEPT. 2-18-13 9:40
 LOCATION: TH-58 WACS# 1571 SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION A. Balloon LJK

WELL DIAMETER: 2.0 INCH: _____ DATE | TIME _____
 TOTAL DEPTH OF WELL: 32.92 Ft. PURGE STARTED: 2-20-13 2:04
 DEPTH TO WATER: 28.36 Ft. PURGE RATE: .10 GPM.
 LENGTH OF WATER COL: 4.56 Ft. DATE | TIME _____
 VOLUME TO PURGE: .1 Gal. PURGE ENDED: 2-20-13 2:16
 ACT. VOL. PURGED: .12 GAL.
 Draw Down: 28.68

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
<u>JA</u>	<u>2:12</u>	<u>25.8</u>	<u>498</u>	<u>6.16</u>	<u>7.30</u>	<u>7.39</u>
<u>JA</u>	<u>2:14</u>	<u>25.8</u>	<u>496</u>	<u>6.16</u>	<u>7.27</u>	<u>5.75</u>
<u>JA</u>	<u>2:16</u>	<u>25.8</u>	<u>494</u>	<u>6.16</u>	<u>7.28</u>	<u>5.81</u>

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>2</u>	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	

11 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 2:16

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____
 RELINQUISHED BY: ASL REP. OF SOLID WASTE DEPT. 2-20-13 4:40
 ACCEPTED BY: J. [Signature] REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENTS: W of 0074 rel Tue 1800 2/20/13
Recd Carl McNulty 2/20/13 1800

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

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME _____

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: ABU REP. OF SOLID WASTE DEPT. 2-18-13 | 9:40

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

PERSONAL ENGAGED IN SAMPLE COLLECTION: A. Balloon JF

CONTAINER CODE:

NO.	COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
					DATE	TIME
2		VOC	1:1 HCL	2-40 ml. SEPTUM VIAL	<u>2-20-13</u>	<u>10:00</u>

2 TOTAL No. OF SAMPLES COLLECTED:

ANALYSIS REQUESTED:

EPA 8260

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

ABOVE LISTED SAMPLES: _____ DATE | TIME _____

RELINQUISHED BY: ABU REP. OF SOLID WASTE DEPT. 2-20-13 | 4:40

ACCEPTED BY: JFR REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENT'S: wo #0074 el Fine 1800 2/20/13
Red Canal Maturity 2/20/13 1810

GROUNDWATER SAMPLING LOG SET A

COC#: 12

Meters: HACH 04100034256 / YSI 08H100611 2/20/13

SITE NAME: HOSW / SELF SITE LOCATION: Lithia Fl.
 WELL NO: _____ SAMPLE ID: TH 65 DATE: 2/20/13

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/2" WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet STATIC DEPTH TO WATER (feet): 14.83 PURGE PUMP TYPE OR BAILER: BP
 Measuring Point Elevation (ft/msl) _____ - Water Level = _____ Water Level Elevation
 MP Elevation = _____

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = 23.0 feet - 14.83 (8.17) feet X 1.6 gallons/foot = 1.30 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22.0 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.0 PURGING INITIATED AT: 1005 PURGING ENDED AT: 1016 TOTAL VOLUME PURGED (gallons): 220

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circumferential units)	DISSOLVED OXYGEN (circumferential units)	TURBIDITY (NTUs)	COLOR describe	ODOR
1012	1.40	1.40	20	16.70	5.02	23.7	285	146	2.82	clear	no
1014	2.40	1.80	20	16.70	5.09	23.8	281	135	3.40	clear	no
1016	4.40	2.20	20	16.70	5.09	23.8	281	134	3.64	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JASON FINE TATPA SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 0956 SAMPLING ENDED AT: 1032
 PUMP OR TUBING DEPTH IN WELL (feet): 22.0 TUBING MATERIAL CODE: _____ FIELD-FILTERED: Y FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y TUBING Y (Replaced) DUPLICATE: Y

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: clants meters used dedicated pump + tubes
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: re

Meters: ~~HACH 04100034250 / YSI 08H100611~~ re 2/20/13

SITE NAME: HSW / SELF SITE LOCATION: litna #1
 WELL NO.: _____ SAMPLE ID: TH C60A DATE: 2/20/13

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1.5" WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet STATIC DEPTH TO WATER (feet): 10.04 PURGE PUMP TYPE OR BAILER: BP
 Measuring Point Elevation (ft/msl) _____ - Water Level = Water Level Elevation
 MP Elevation = _____

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = (15.37 feet - 10.04 (5.33) feet) X 114 gallons/foot = .85 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37 PURGING INITIATED AT: 1047 PURGING ENDED AT: 1102 TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (micro mhos/cm)	DISSOLVED OXYGEN (micro mhos/cm)	TURBIDITY (NTUs)	COLOR describe	ODOR
1056	.90	.90	.10	11.75	5.78	22.4	359	.83	2.14	clear	no
1059	.30	1.20	.10	11.75	5.79	22.4	359	.74	1.83	clear	no
1102	.30	1.50	.10	11.75	5.80	22.4	360	.71	1.91	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fink TR TPA SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1040 SAMPLING ENDED AT: 1108
 PUMP OR TUBING DEPTH IN WELL (feet): 14.37 TUBING MATERIAL CODE: J FIELD-FILTERED: Y FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y TUBING Y (replaced) DUPLICATE: Y

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL. E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: Client's meter used dedicated pump + tubing cloudy 670
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling
GROUNDWATER SAMPLING LOG SET A

COC#: no

Meters: HACH 04100034256 / YSI 08HT006TT 2/20/13

SITE NAME: <u>HGSW / SELF</u>	SITE LOCATION: <u>Lithia Fl</u>
WELL NO:	SAMPLE ID: <u>TH 67</u>
	DATE: <u>2/20/13</u>

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>7.10</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation =		- Water Level	= Water Level Elevation	

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable)
 = $(15.25 \text{ feet} - 7.10 \text{ (8.15) feet}) \times 1.16 \text{ gallons/foot} = 1.30 \text{ gallons}$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 = gallons + (gallons/foot X feet) + gallons = gallons

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
1129	1.30	1.30	.10	9.90	6.24	22.9	678	1.88	13.9	clear	no
1135	.40	1.70	.10	9.90	6.25	22.9	682	1.81	15.4	clear	no
1137	.40	2.10	.10	9.95	6.25	22.9	684	1.81	13.7	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jason Ford</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1114</u>	SAMPLING ENDED AT: <u>1145</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>14.25</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u>0</u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u>	TUBING <u>Y</u> (replaced)	DUPLICATE: <u>Y</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<p><i>See COC</i></p>									

REMARKS:

clients meters use dedicated pump + tubing partly 70%
 MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 20

Meters: ~~HACH 04100034256 / YSI 08H100644~~ 2/20/13

SITE NAME: <u>ACSU/SFIF</u>		SITE LOCATION: <u>litina fl</u>	
WELL NO:	SAMPLE ID: <u>TH 22A</u>	DATE: <u>2/20/13</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>6.26</u>	PURGE-PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) = _____ MP Elevation = _____ Water Level = _____ Water Level Elevation = _____				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (27.90 feet - 6.26 (21.64) feet) X 1.4 gallons/foot = 3.46 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>26.90</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>26.90</u>	PURGING INITIATED AT: <u>1205</u>	PURGING ENDED AT: <u>1225</u>	TOTAL VOLUME PURGED (gallons): <u>5.50</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
1217	3.50	3.50	.25	8.32	4.3	21.4	239	13.6	19.2	lt clear	yes
1221	1.0	4.50	.25	8.32	4.3	21.4	240	13.9	16.7	clear	yes
1225	1.0	5.50	.25	8.32	4.32	21.4	239	14.4	16.7	clear	yes

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jason J. Garcia</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1155</u>	SAMPLING ENDED AT: <u>1233</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>26.90</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/>	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: clients meters used dedicated pump + tubing

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG SET A

COC#: 02

Meters: HACH 04100034256 / YSI 08H1006TT

SITE NAME: <u>ACSU / SEU</u>	SITE LOCATION: <u>Lithia FL</u>
WELL NO:	SAMPLE ID: <u>TH 57</u>
	DATE: <u>2/20/13</u>

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/2"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>9.4'</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation MP Elevation =				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= 26.83 feet - 9.4' (7.42 feet) X .16 gallons/foot = 1.18 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY) X TUBING LENGTH + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>25.83</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>25.83</u>	PURGING INITIATED AT: <u>1240</u>	PURGING ENDED AT: <u>1304</u>	TOTAL VOLUME PURGED (gallons): <u>1.80</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1256</u>	<u>1.20</u>	<u>1.20</u>	<u>.10</u>	<u>20.5'</u>	<u>4.97</u>	<u>26.4</u>	<u>183</u>	<u>1.6</u>	<u>1.56</u>	<u>clear</u>	<u>yes</u>
<u>1301</u>	<u>.30</u>	<u>1.50</u>	<u>.10</u>	<u>21.5'</u>	<u>4.98</u>	<u>26.4</u>	<u>185</u>	<u>1.4</u>	<u>1.71</u>	<u>clear</u>	<u>yes</u>
<u>1304</u>	<u>.30</u>	<u>1.80</u>	<u>.10</u>	<u>21.5'</u>	<u>4.99</u>	<u>26.4</u>	<u>186</u>	<u>1.4</u>	<u>1.67</u>	<u>clear</u>	<u>yes</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) AFFILIATION: <u>Jason J. TA-TPA</u>	SAMPLER(S) SIGNATURE(S): <u>Jason R</u>	SAMPLING INITIATED AT: <u>1240</u>	SAMPLING ENDED AT: <u>1315</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>25.83</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u>	TUBING <u>Y</u> (replaced)	DUPLICATE: <u>Y</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL EID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

REMARKS: charts meters used dedicated pump & tubing
Dip dal pH city 75

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RPPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: re

Meters: HACH D04T00054256 / YSI 08H100611

SITE NAME: HCSW / SECF SITE LOCATION: 1, 7th Ave #
 WELL NO: _____ SAMPLE ID: TH 28 A DATE: 2/20/13

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/2" WELL SCREEN INTERVAL DEPTH: _____ TO WATER (feet): 28.83 STATIC DEPTH TO WATER (feet): 28.83 PURGE PUMP TYPE OR BAILER: BP
 Measuring Point Elevation (ft/msl) _____ - Water Level _____ = Water Level Elevation _____
 MP Elevation = _____

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) = 33.30 feet 28.83 (5.47) feet X 1.16 gallons/foot = .87 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33.30 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33.30 PURGING INITIATED AT: 1326 PURGING ENDED AT: 1341 TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (micro mhos/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1335</u>	<u>.90</u>	<u>.90</u>	<u>.10</u>	<u>28.99</u>	<u>5.02</u>	<u>26.4</u>	<u>339</u>	<u>1.01</u>	<u>2.32</u>	<u>clear</u>	<u>HS</u>
<u>1338</u>	<u>.30</u>	<u>1.20</u>	<u>.10</u>	<u>28.99</u>	<u>5.01</u>	<u>26.4</u>	<u>336</u>	<u>.78</u>	<u>1.68</u>	<u>clear</u>	<u>HS</u>
<u>1341</u>	<u>.30</u>	<u>1.50</u>	<u>.10</u>	<u>28.99</u>	<u>5.01</u>	<u>26.4</u>	<u>334</u>	<u>1.71</u>	<u>1.46</u>	<u>clear</u>	<u>HS</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Frank STATA SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1324 SAMPLING ENDED AT: 1351
 PUMP OR TUBING DEPTH IN WELL (feet): 33.30 TUBING MATERIAL CODE: T FIELD-FILTERED: Y FILTER SIZE: _____ µm

FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See LOC</u>									

REMARKS: chairs needed used dedicated pump [unclear]

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: re

Meters: HACH 04100074256 / YSI 08H100611

SITE NAME: <u>HCSW / SECF</u>	SITE LOCATION: <u>Lithia Fl</u>	
WELL NO:	SAMPLE ID: <u>TH 58</u>	DATE: <u>2/20/13</u>

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1 1/2"</u>	WELL SCREEN INTERVAL DEPTH: <u>feet to feet</u>	STATIC DEPTH TO WATER (feet): <u>28.36</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) = MP Elevation =		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.92 feet - 28.36 (4.56) feet) X 1.0 gallons/foot = 1.20 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>31.92</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>31.92</u>	PURGING INITIATED AT: <u>1404</u>	PURGING ENDED AT: <u>1414</u>	TOTAL VOLUME PURGED (gallons): <u>1.20</u>
---	---	-----------------------------------	-------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	COLOR describe	ODOR
<u>1412</u>	<u>.80</u>	<u>0.80</u>	<u>.10</u>	<u>28.68</u>	<u>6.16</u>	<u>25.8</u>	<u>498</u>	<u>7.30</u>	<u>7.39</u>	<u>clear</u>	<u>yes</u>
<u>1414</u>	<u>.20</u>	<u>1.00</u>	<u>.10</u>	<u>28.68</u>	<u>6.16</u>	<u>25.8</u>	<u>496</u>	<u>7.27</u>	<u>5.75</u>	<u>clear</u>	<u>yes</u>
<u>1416</u>	<u>.20</u>	<u>1.20</u>	<u>.10</u>	<u>28.68</u>	<u>6.16</u>	<u>25.8</u>	<u>494</u>	<u>7.28</u>	<u>5.81</u>	<u>clear</u>	<u>yes</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>JASON TATPA</u>	SAMPLER(S) SIGNATURE(S): <u>Jason TATPA</u>	SAMPLING INITIATED AT: <u>1356</u>	SAMPLING ENDED AT: <u>1430</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>31.92</u>	TUBING MATERIAL CODE: <u>J</u>	FIELD-FILTERED: <u>Y</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> TUBING <u>Y</u> (replaced)		DUPLICATE: <u>Y</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>See COC</u>									

REMARKS: Client's meters used dedicated pump & tubing

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Chain of Custody Record

Client Information (Sub Contract Lab)
 Client Contact: _____ Phone: _____
 Shipping/Receiving: _____ E-Mail: nancy.robertson@testamericainc.com
 Company: TestAmerica Laboratories, Inc.
 Address: 2846 Industrial Plaza Drive, Due Date Requested: 2/25/2013
 City: Tallahassee TAT Requested (days):
 State, Zip: FL, 32301
 Phone: 850-878-3994(Tel) 850-878-9504(Fax) PO #:
 Email: W/O #:
 Project Name: SELF MWs, SS, Private Wells, NPDES Project #: 66003915
 Site: Southeast Landfill SOW#: _____

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Carrier Tracking No(s)	COC No:	Job #:	Preservation Codes:
3C2 (660-52743-1)	2/18/13	12:45 Eastern	Water	Water	X	X	5310C/ TOC		660-53201.1	660-52743-1	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylsulfate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
MINE CUT 1D (660-52743-2)	2/18/13	13:20 Eastern	Water	Water	X	X					
BLANK EQUIPMENT-Surface water (660-52743-3)	2/18/13	12:35 Eastern	Water	Water	X	X					
KEEN J/R (660-52743-4)	2/18/13	14:29 Eastern	Water	Water	X	X					
BARNES (660-52743-5)	2/18/13	11:34 Eastern	Water	Water	X	X					
HOLLAND (660-52743-6)	2/18/13	10:59 Eastern	Water	Water	X	X					
WEEKS (660-52743-7)	2/18/13	10:09 Eastern	Water	Water	X	X					
BLANK EQUIPMENT (660-52743-8)	2/18/13	09:45 Eastern	Water	Water	X	X					

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify)
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *Candice Mc Inty* Date/Time: 2/19/13 16:50 Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: Yes No Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: *1.8*

Special Instructions/Note:
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Method of Shipment:
 Received by: *St. Thomas* Date/Time: 2/20/13 9:00 Company: *TRK*
 Received by: _____ Date/Time: _____ Company: _____

Method of Shipment: _____
 Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:		Lab Pkt:		Carrier Tracking No(s):		COC No:							
Client Contact: Shipping/Receiving		Phone:		Robertson, Nancy				660-53200-1							
Company: TestAmerica Laboratories, Inc.		E-Mail: nancy.robertson@testamericainc.com						Page: 1 of 1							
Address: 5102 LaRoche Avenue, Savannah State, Zip: GA, 31404		Due Date Requested: 2/25/2013						Job #: 660-52743-1							
Phone: 912-354-7858(Tel) 912-352-0165(Fax)		TAT Requested (days):						Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:							
PO #:								M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)							
IWO #:								Total Number of Containers							
Project Name: SELF MWs, SS, Private Wells, NPDES								Special Instructions/Note:							
Site: Southeast Landfill															
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Openwater)	Field Filtered Sample (Yes or No)	5220D/ COD	350.1/ Nitrogen, Ammonia	351.2/ Digest P, Hotbk Nitrogen, Total Kjeldahl	801/8011 Prep EDB, DBCP	602A/3005A Appendix 1 ICP Metals	747A/7470A Prep Mercury	365.4/ Digest P, Hotbk Phosphorus, Total	300.0_28D_DW/ Chloride	6020A/3005A Appendix 1 + metals
3C2 (660-52743-1)		2/18/13	12:45 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	7
MINE CUT 1D (660-52743-2)		2/18/13	13:20 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	7
BLANK EQUIPMENT-Surface water (660-52743-3)		2/18/13	12:35 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
KEEN JR (660-52743-4)		2/18/13	14:29 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
BARNES (660-52743-5)		2/18/13	11:34 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
HOLLAND (660-52743-6)		2/18/13	10:59 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
WEEKS (660-52743-7)		2/18/13	10:09 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
BLANK EQUIPMENT (660-52743-8)		2/18/13	09:45 Eastern	Water	Water	X	X	X	X	X	X	X	X	X	6
Possible Hazard Identification															
Unconfirmed															
Deliverable Requested: I, II, III, IV, Other (specify)															
Empty Kit Relinquished by:															
Relinquished by: <i>Carol Mc Nulty</i> Date: 2/19/13 16:00															
Relinquished by: Company															
Relinquished by: Company															
Relinquished by: Company															
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No															
Custody Seal No:															
Cooler Temperature(s) °C and Other Remarks: 1.8°C / 7.6°C															



Chain of Custody Record

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Client Information (Sub Contract Lab)

Company: **TestAmerica Laboratories, Inc.**
Address: **5102 LaRoche Avenue,**
City: **Savannah**
State, Zip: **GA, 31404**
Phone: **912-354-7858(Tel) 912-352-0165(Fax)**
Email:
Project Name: **SELF MWs, SS, Private Wells, NPDES**
Site: **Southeast Landfill**

Lab PM: **Robertson, Nancy**
E-Mail: **nancy.robertson@testamericainc.com**

Carrier Tracking No(s):

COC No: **660-53238-1**
Page: **1 of 1**
Job #: **660-52765-1**

Due Date Requested: **2/26/2013**
TAT Requested (days):
PO #:
WO #:
Project #: **66003915**
SSOW#:

Sampler: **Robertson, Nancy**
Phone:
Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Other:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C-comp, G-grab)	Matrix (w-water, S-solid, O-wastewat, BT=tissue, A-air)	Field Filtered Sample (Yes or No)	Perform MSMSD (Yes or No)	Analysis Requested				Total Number of Containers	Special Instructions/Note:
							350.1/ Nitrogen, Ammonia	7470A/7470A Prep Mercury	6020A/3005A Appendix 1 + metals	8011/8011 Prep EDB, DBCP		
TH-19 (660-52765-1)	2/19/13	11:42 Eastern	Water	Water	X	X	X	X	X	6		
TH-19 (660-52765-1)	2/19/13	10:34 Eastern	Water	Water	X	X	X	X	X	6		
TH-71A (660-52765-3)	2/19/13	11:06 Eastern	Water	Water	X	X	X	X	X	6		
TH-70A (660-52765-4)	2/19/13	10:02 Eastern	Water	Water	X	X	X	X	X	6		
TH-69A (660-52765-5)	2/19/13	12:22 Eastern	Water	Water	X	X	X	X	X	6		
TH-36A (660-52765-6)	2/19/13	14:48 Eastern	Water	Water	X	X	X	X	X	6		
TH-40 (660-52765-7)	2/19/13	13:06 Eastern	Water	Water	X	X	X	X	X	6		
TH-68 (660-52765-8)	2/19/13	13:34 Eastern	Water	Water	X	X	X	X	X	6		
TH-64 (660-52765-9)	2/19/13	14:05 Eastern	Water	Water	X	X	X	X	X	6		
TH-61A (660-52765-10)	2/19/13	09:30 Eastern	Water	Water	X	X	X	X	X	6		
BLANK EQUIPMENT (660-52765-11)												

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify)

Received by: **[Signature]** Date: **2/20/13** 1645
 Company: **TH Tampa**

Received by: **[Signature]** Date/Time: **2/20/13 1645**
 Company: **[Signature]**

Received by: **[Signature]** Date/Time:
 Company:

Cooler Temperature(s) °C and Other Remarks: **2.0 | 2.0 | 1.8 | 1.8 °C**



TestAmerica Tampa
 6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Lab P.M.: Robertson, Nancy		Carrier Tracking Note(s):	
Client Contact: Shipping/Receiving		E-Mail: nancy.robertson@testamericainc.com		COC No: 660-53291-1	
Company: TestAmerica Laboratories, Inc.		Project #: 66003915		Page: Page 1 of 1	
Address: 5102 LaRoche Avenue,		SSOW#: 66003915		Job #: 660-52811-1	
City: Savannah		Due Date Requested: 2/27/2013		Preservation Codes:	
State, Zip: GA, 31404		TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylalrate U - Acetone V - NCAAA W - ph 4-5 Z - other (specify)	
Phone: 912-354-7858 (Tel) 912-352-0185 (Fax)		PO #:		Other:	
Email:		WO #:			
Project Name: SELF MWs, SS, Private Wells, NPDES		Sample Date		Special Instructions/Note:	
Site: Southeast Landfill		Sample Time			
Sample Identification - Client ID (Lab ID)		Sample Date		Total Number of Containers	
TH-65 (660-52811-1)	2/20/13	10:16 Eastern	X	X	6
TH-66A (660-52811-2)	2/20/13	11:02 Eastern	X	X	6
TH-67 (660-52811-3)	2/20/13	11:37 Eastern	X	X	6
TH-22A (660-52811-4)	2/20/13	12:25 Eastern	X	X	6
DUPLICATE NOT BLANK (660-52811-5)	2/20/13	13:04 Eastern	X	X	6
TH-57 (660-52811-6)	2/20/13	13:41 Eastern	X	X	6
TH-28A (660-52811-7)	2/20/13	14:16 Eastern	X	X	6
TH-58 (660-52811-8)	2/20/13	14:16 Eastern	X	X	6
Analysis Requested					
350.11 Nitrogen, Ammonia		X		7470A/770A Prep Mercury	
300.0 28D/ Chloride		X		8014/8014 Prep EDB, DBCP	
6020A/3005A Appendix 1 + metals		X			
Field Filtered Sample (Yes or No)		X			
Perform NIS/MSD (Yes or No)		X			
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: <i>[Signature]</i> Date: 2/21/13 16:37					
Relinquished by: <i>[Signature]</i> Date/Time: 2/21/13 0810					
Relinquished by: <i>[Signature]</i> Date/Time: 2/21/13 0810					
Custody Seals Intact: 3.2					
Custody Seal No.: 3.2					



Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-52743-1

Login Number: 52743

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 660-52743-1

Login Number: 52743

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

List Creation: 02/20/13 08:16 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: 660-52743-1

Login Number: 52743

List Source: TestAmerica Tallahassee

List Number: 1

List Creation: 02/20/13 12:58 PM

Creator: Huff, Leonard

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-52743-1

Login Number: 52765

List Source: TestAmerica Tampa

List Number: 1

Creator: McNulty, Carol

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 660-52743-1

Login Number: 52765

List Source: TestAmerica Savannah

List Number: 1

List Creation: 02/21/13 08:58 AM

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 660-52743-1

Login Number: 52811

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 660-52743-1

Login Number: 52811

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

List Creation: 02/22/13 08:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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: 660-52810-1

Client Project/Site: Leachate Sump Samples

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:
3/13/2013 8:38:44 AM

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

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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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-52810-1	LEACHATE SUMP 001	Water	02/20/13 14:45	02/20/13 18:00
660-52810-2	LEACHATE SUMP 007	Water	02/20/13 16:00	02/20/13 18:00
660-52810-3	LEACHATE SUMP 009	Water	02/20/13 15:30	02/20/13 18:00
660-52810-4	BLANK TRAVEL 52810	Water	02/20/13 14:40	02/20/13 18:00

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Case Narrative

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Job ID: 660-52810-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative 660-52810-1

Comments

No additional comments.

Receipt

The samples were received on 2/20/2013 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.1° C, 3.6° C, 4.0° C and 5.2° C.

GC/MS VOA

Method 8260B: The matrix spike (MS) recoveries for batch 134791 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The matrix spike / matrix spike duplicate recoveries for batch 99619 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 8011: Surrogate recovery for the following sample was outside the upper control limit: LEACHATE SUMP 009 (660-52810-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The sample is flagged with J1.

Method 8141A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 640-99712 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8151A: The following samples were diluted due to the nature of the sample matrix: LEACHATE SUMP 001 (660-52810-1), LEACHATE SUMP 007 (660-52810-2), LEACHATE SUMP 009 (660-52810-3). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided. The samples are flagged with D1.

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 267291 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method 6020A: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): LEACHATE SUMP 009 (660-52810-3).

Method 6020A: The matrix spike (MS) recoveries for Tin on batch 267488 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 267533 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Definitions/Glossary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

GC/MS 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.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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.
D1	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.

Metals

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

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

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	2.6		1.0	0.63	ug/L	1		8260B	Total/NA
Ethylbenzene	2.4		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	1.9	I	3.0	0.50	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	3.4	I	9.4	0.61	ug/L	1		8270C	Total/NA
1,4-Dichlorobenzene	2.0	I	9.4	0.37	ug/L	1		8270C	Total/NA
3 & 4 Methylphenol	5.6	I	9.4	0.72	ug/L	1		8270C	Total/NA
Acenaphthene	0.50		0.094	0.019	ug/L	1		8270D LL	Total/NA
Anthracene	0.15		0.094	0.019	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.48		0.094	0.012	ug/L	1		8270D LL	Total/NA
Fluorene	0.46		0.094	0.019	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.63		0.094	0.019	ug/L	1		8270D LL	Total/NA
Naphthalene	2.9		0.094	0.019	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.28		0.094	0.019	ug/L	1		8270D LL	Total/NA
Pyrene	0.42		0.094	0.012	ug/L	1		8270D LL	Total/NA
Arsenic	16		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	71		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.33	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Chromium	11		5.0	2.5	ug/L	1		6020A	Total Recoverable
Cobalt	13		0.50	0.15	ug/L	1		6020A	Total Recoverable
Copper	7.2		5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	31000		100	33	ug/L	1		6020A	Total Recoverable
Lead	5.0		1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	44		5.0	2.0	ug/L	1		6020A	Total Recoverable
Selenium	2.1	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Silver	0.27	I	1.0	0.25	ug/L	1		6020A	Total Recoverable
Sodium	1800		10	5.0	mg/L	20		6020A	Total Recoverable
Tin	1.5	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Vanadium	52		10	3.8	ug/L	1		6020A	Total Recoverable
Zinc	19	I	20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	3100		100	20	mg/L	100		300.0	Total/NA
Ammonia as N	360		25	13	mg/L	500		350.1	Total/NA
Bicarbonate Alkalinity as CaCO3	2400		1.0	1.0	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	7500		250	250	mg/L	1		SM 2540C	Total/NA
Total Sulfide	3.3		1.0	1.0	mg/L	1		SM 4500 S2 F	Total/NA
Chemical Oxygen Demand	870		20	6.3	mg/L	1		SM 5220D	Total/NA
Field pH	7.08				SU	1		Field Sampling	Total/NA
Field Temperature	36.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.11				mg/L	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001 (Continued)

Lab Sample ID: 660-52810-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	15064				umhos/cm	1		Field Sampling	Total/NA
Turbidity	72.5				NTU	1		Field Sampling	Total/NA

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20		1.0	0.50	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	0.76	I	1.0	0.52	ug/L	1		8260B	Total/NA
Ethylbenzene	8.7		1.0	0.44	ug/L	1		8260B	Total/NA
Toluene	2.8		1.0	0.51	ug/L	1		8260B	Total/NA
Vinyl chloride	2.7		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	22		3.0	0.50	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.3	I	9.4	0.61	ug/L	1		8270C	Total/NA
3 & 4 Methylphenol	110		9.4	0.72	ug/L	1		8270C	Total/NA
1-Methylnaphthalene	0.32		0.094	0.019	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.2		0.094	0.015	ug/L	1		8270D LL	Total/NA
Naphthalene	5.9		0.094	0.019	ug/L	1		8270D LL	Total/NA
Antimony	3.0	I	5.0	2.3	ug/L	1		6020A	Total Recoverable
Arsenic	15		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	500		5.0	1.3	ug/L	1		6020A	Total Recoverable
Chromium	12		5.0	2.5	ug/L	1		6020A	Total Recoverable
Cobalt	12		0.50	0.15	ug/L	1		6020A	Total Recoverable
Copper	52		5.0	1.1	ug/L	1		6020A	Total Recoverable
Iron	150000		100	33	ug/L	1		6020A	Total Recoverable
Lead	4.8		1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	68		5.0	2.0	ug/L	1		6020A	Total Recoverable
Selenium	4.5		2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	1700		10	5.0	mg/L		20	6020A	Total Recoverable
Tin	1.5	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Vanadium	44		10	3.8	ug/L	1		6020A	Total Recoverable
Zinc	74		20	8.3	ug/L	1		6020A	Total Recoverable
Mercury	0.091	I	0.20	0.091	ug/L		1	7470A	Total/NA
Chloride	5800		200	40	mg/L		200	300.0	Total/NA
Ammonia as N	510		25	13	mg/L		500	350.1	Total/NA
Nitrate as N	0.13	I	0.50	0.10	mg/L		1	353.2	Total/NA
Bicarbonate Alkalinity as CaCO3	450		1.0	1.0	mg/L		1	SM 2320B	Total/NA
Total Dissolved Solids	5900		250	250	mg/L		1	SM 2540C	Total/NA
Cyanide, Total	0.0044	I	0.010	0.0025	mg/L		1	SM 4500 CN E	Total/NA
Biochemical Oxygen Demand	30		24	24	mg/L		1	SM 5210B	Total/NA
Chemical Oxygen Demand	840		200	63	mg/L		10	SM 5220D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007 (Continued)

Lab Sample ID: 660-52810-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.45				SU		1	Field Sampling	Total/NA
Field Temperature	29.9				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	2.62				mg/L		1	Field Sampling	Total/NA
Specific Conductance	19518				umhos/cm		1	Field Sampling	Total/NA
Turbidity	312				NTU		1	Field Sampling	Total/NA

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0	0.50	ug/L		1	8260B	Total/NA
Chloroethane	3.1	I	5.0	2.5	ug/L		1	8260B	Total/NA
cis-1,2-Dichloroethene	0.67	I	1.0	0.65	ug/L		1	8260B	Total/NA
1,1-Dichloroethane	0.56	I	1.0	0.52	ug/L		1	8260B	Total/NA
1,2-Dichloroethane	4.0		1.0	0.57	ug/L		1	8260B	Total/NA
1,2-Dichloropropane	0.88	I	1.0	0.52	ug/L		1	8260B	Total/NA
Ethylbenzene	2.8		1.0	0.44	ug/L		1	8260B	Total/NA
Toluene	1.7		1.0	0.51	ug/L		1	8260B	Total/NA
Vinyl chloride	3.9		1.0	0.50	ug/L		1	8260B	Total/NA
Xylenes, Total	7.2		3.0	0.50	ug/L		1	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.4	I	9.4	0.61	ug/L		1	8270C	Total/NA
3 & 4 Methylphenol	12		9.4	0.72	ug/L		1	8270C	Total/NA
2-Methylnaphthalene	0.83		0.094	0.015	ug/L		1	8270D LL	Total/NA
Naphthalene	3.1		0.094	0.019	ug/L		1	8270D LL	Total/NA
Arsenic	71		2.5	1.3	ug/L		1	6020A	Total Recoverable
Barium	490		10	2.6	ug/L		2	6020A	Total Recoverable
Cadmium	0.47	I	1.0	0.19	ug/L		2	6020A	Total Recoverable
Chromium	1200		5.0	2.5	ug/L		1	6020A	Total Recoverable
Cobalt	6.6		0.50	0.15	ug/L		1	6020A	Total Recoverable
Copper	110		5.0	1.1	ug/L		1	6020A	Total Recoverable
Iron	550000		200	66	ug/L		2	6020A	Total Recoverable
Lead	110		1.5	0.20	ug/L		1	6020A	Total Recoverable
Nickel	96		5.0	2.0	ug/L		1	6020A	Total Recoverable
Selenium	2.4	I	2.5	1.0	ug/L		1	6020A	Total Recoverable
Sodium	2400		10	5.0	mg/L		20	6020A	Total Recoverable
Vanadium	87		10	3.8	ug/L		1	6020A	Total Recoverable
Zinc	1700		20	8.3	ug/L		1	6020A	Total Recoverable
Mercury	0.19	I	0.20	0.091	ug/L		1	7470A	Total/NA
Chloride	10000		500	100	mg/L	500		300.0	Total/NA
Ammonia as N	440		25	13	mg/L	500		350.1	Total/NA
Bicarbonate Alkalinity as CaCO3	91		1.0	1.0	mg/L		1	SM 2320B	Total/NA
Total Dissolved Solids	29000		250	250	mg/L		1	SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009 (Continued)

Lab Sample ID: 660-52810-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Sulfide	1.9		1.0	1.0	mg/L	1		SM 4500 S2 F	Total/NA
Biochemical Oxygen Demand	62		24	24	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	1100		200	63	mg/L	10		SM 5220D	Total/NA
Field pH	6.27				SU	1		Field Sampling	Total/NA
Field Temperature	23.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.86				mg/L	1		Field Sampling	Total/NA
Specific Conductance	31529				umhos/cm	1		Field Sampling	Total/NA
Turbidity	87.3				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK TRAVEL 52810

Lab Sample ID: 660-52810-4

No Detections

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/13 04:32	1
Acetonitrile	20	U	20	20	ug/L			02/24/13 04:32	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/24/13 04:32	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/13 04:32	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
Benzene	1.4		1.0	0.50	ug/L			02/24/13 04:32	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/13 04:32	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/13 04:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/24/13 04:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/13 04:32	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/13 04:32	1
Chlorobenzene	2.6		1.0	0.63	ug/L			02/24/13 04:32	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/24/13 04:32	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/24/13 04:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/24/13 04:32	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/13 04:32	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/13 04:32	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 04:32	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/13 04:32	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/13 04:32	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/13 04:32	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/13 04:32	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/13 04:32	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/24/13 04:32	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/24/13 04:32	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/24/13 04:32	1
Ethylbenzene	2.4		1.0	0.44	ug/L			02/24/13 04:32	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/13 04:32	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
Isobutyl alcohol	31	U	200	31	ug/L			02/24/13 04:32	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/24/13 04:32	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/13 04:32	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/24/13 04:32	1
Propionitrile	7.2	U	100	7.2	ug/L			02/24/13 04:32	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/13 04:32	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/13 04:32	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/13 04:32	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 04:32	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/13 04:32	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/13 04:32	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/13 04:32	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 04:32	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/13 04:32	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/13 04:32	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 04:32	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:32	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/13 04:32	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/13 04:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/13 04:32	1
Xylenes, Total	1.9	I	3.0	0.50	ug/L			02/24/13 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/24/13 04:32	1
Dibromofluoromethane	102		70 - 130		02/24/13 04:32	1
Toluene-d8 (Surr)	100		70 - 130		02/24/13 04:32	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Acetylaminofluorene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Aminobiphenyl	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 16:58	1
Benzyl alcohol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 16:58	1
Bis(2-chloroethoxy)methane	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 16:58	1
Bis(2-chloroethyl)ether	0.56	U	9.4	0.56	ug/L		02/22/13 14:39	02/28/13 16:58	1
Bis(2-ethylhexyl) phthalate	3.4	I	9.4	0.61	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Bromophenyl phenyl ether	1.2	U	9.4	1.2	ug/L		02/22/13 14:39	02/28/13 16:58	1
Butyl benzyl phthalate	0.84	U	9.4	0.84	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Chloroaniline	0.64	U	19	0.64	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Chloro-3-methylphenol	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Chloronaphthalene	0.57	U	9.4	0.57	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Chlorophenol	0.49	U	9.4	0.49	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Chlorophenyl phenyl ether	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 16:58	1
Diallylate	0.43	U	9.4	0.43	ug/L		02/22/13 14:39	02/28/13 16:58	1
Dibenzofuran	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 16:58	1
Di-n-butyl phthalate	1.6	U	9.4	1.6	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,2-Dichlorobenzene	0.42	U	9.4	0.42	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,3-Dichlorobenzene	0.40	U	9.4	0.40	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,4-Dichlorobenzene	2.0	I	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 16:58	1
3,3'-Dichlorobenzidine	0.71	U	19	0.71	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4-Dichlorophenol	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,6-Dichlorophenol	0.81	U	9.4	0.81	ug/L		02/22/13 14:39	02/28/13 16:58	1
Diethyl phthalate	1.3	U	9.4	1.3	ug/L		02/22/13 14:39	02/28/13 16:58	1
p-Dimethylamino azobenzene	0.37	U	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 16:58	1
7,12-Dimethylbenz(a)anthracene	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 16:58	1
3,3'-Dimethylbenzidine	2.8	U	19	2.8	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4-Dimethylphenol	0.71	U	9.4	0.71	ug/L		02/22/13 14:39	02/28/13 16:58	1
Dimethyl phthalate	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 16:58	1
4,6-Dinitro-2-methylphenol	0.91	U	47	0.91	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4-Dinitrophenol	3.7	U	47	3.7	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4-Dinitrotoluene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,6-Dinitrotoluene	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 16:58	1
Di-n-octyl phthalate	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 16:58	1
Ethyl methanesulfonate	0.87	U	9.4	0.87	ug/L		02/22/13 14:39	02/28/13 16:58	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 16:58	1
Hexachlorobutadiene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 16:58	1
Hexachlorocyclopentadiene	0.20	U	9.4	0.20	ug/L		02/22/13 14:39	02/28/13 16:58	1
Hexachloroethane	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 16:58	1
Hexachloropropene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 16:58	1
Isophorone	0.76	U	9.4	0.76	ug/L		02/22/13 14:39	02/28/13 16:58	1
Isosafrole	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 16:58	1
Methapyrilene	0.94	U	1900	0.94	ug/L		02/22/13 14:39	02/28/13 16:58	1
3-Methylcholanthrene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 16:58	1
Methyl methanesulfonate	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Methylphenol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 16:58	1
3 & 4 Methylphenol	5.6	I	9.4	0.72	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,4-Naphthoquinone	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 16:58	1
1-Naphthylamine	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Naphthylamine	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Nitroaniline	0.79	U	47	0.79	ug/L		02/22/13 14:39	02/28/13 16:58	1
3-Nitroaniline	1.3	U	47	1.3	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Nitroaniline	1.1	U	47	1.1	ug/L		02/22/13 14:39	02/28/13 16:58	1
Nitrobenzene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Nitrophenol	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 16:58	1
4-Nitrophenol	1.2	U	47	1.2	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosodi-n-butylamine	0.62	U	9.4	0.62	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosodiethylamine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosodimethylamine	2.9	U	9.4	2.9	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosodi-n-propylamine	0.77	U	9.4	0.77	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosodiphenylamine	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosomethylethylamine	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosopiperidine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitrosopyrrolidine	0.66	U	9.4	0.66	ug/L		02/22/13 14:39	02/28/13 16:58	1
N-Nitro-o-toluidine	0.70	U	9.4	0.70	ug/L		02/22/13 14:39	02/28/13 16:58	1
Pentachlorobenzene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 16:58	1
Pentachloronitrobenzene	0.51	U	9.4	0.51	ug/L		02/22/13 14:39	02/28/13 16:58	1
Pentachlorophenol	1.0	U	47	1.0	ug/L		02/22/13 14:39	02/28/13 16:58	1
Phenacetin	0.50	U	9.4	0.50	ug/L		02/22/13 14:39	02/28/13 16:58	1
Phenol	0.65	U	9.4	0.65	ug/L		02/22/13 14:39	02/28/13 16:58	1
p-Phenylene diamine	470	U	1900	470	ug/L		02/22/13 14:39	02/28/13 16:58	1
Pronamide	0.33	U	9.4	0.33	ug/L		02/22/13 14:39	02/28/13 16:58	1
Safrole, Total	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,2,4,5-Tetrachlorobenzene	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,3,4,6-Tetrachlorophenol	3.6	U	9.4	3.6	ug/L		02/22/13 14:39	02/28/13 16:58	1
2-Toluidine	0.60	U	9.4	0.60	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,2,4-Trichlorobenzene	0.48	U	9.4	0.48	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4,5-Trichlorophenol	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 16:58	1
2,4,6-Trichlorophenol	0.88	U	9.4	0.88	ug/L		02/22/13 14:39	02/28/13 16:58	1
o,o',o"-Triethylphosphorothioate	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,3,5-Trinitrobenzene	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 16:58	1
1,3-Dinitrobenzene	1.6	U	47	1.6	ug/L		02/22/13 14:39	02/28/13 16:58	1
bis(2 chloro-1-methylethyl) ether	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 16:58	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		32 - 146	02/22/13 14:39	02/28/13 16:58	1
2-Fluorobiphenyl	82		34 - 141	02/22/13 14:39	02/28/13 16:58	1
Terphenyl-d14	40		10 - 160	02/22/13 14:39	02/28/13 16:58	1
2-Fluorophenol	40		17 - 110	02/22/13 14:39	02/28/13 16:58	1
2,4,6-Tribromophenol	84		37 - 118	02/22/13 14:39	02/28/13 16:58	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.50		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Acenaphthylene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Anthracene	0.15		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Benzo[a]anthracene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Benzo[a]pyrene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Benzo[b]fluoranthene	0.012	U	0.047	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Benzo[g,h,i]perylene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Benzo[k]fluoranthene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Chrysene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Dibenz(a,h)anthracene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Fluoranthene	0.48		0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1
Fluorene	0.46		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Indeno[1,2,3-cd]pyrene	0.021	U	0.094	0.021	ug/L		02/26/13 18:08	02/28/13 18:40	1
1-Methylnaphthalene	0.63		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
2-Methylnaphthalene	0.015	U	0.094	0.015	ug/L		02/26/13 18:08	02/28/13 18:40	1
Naphthalene	2.9		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Phenanthrene	0.28		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:40	1
Pyrene	0.42		0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	93		39 - 121	02/26/13 18:08	02/28/13 18:40	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 23:48	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		03/04/13 17:06	03/04/13 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	139		60 - 144	03/04/13 17:06	03/04/13 23:48	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.049	0.0018	ug/L		02/27/13 09:37	03/01/13 16:45	1
alpha-BHC	0.0027	U	0.049	0.0027	ug/L		02/27/13 09:37	03/01/13 16:45	1
beta-BHC	0.0026	U	0.049	0.0026	ug/L		02/27/13 09:37	03/01/13 16:45	1
Chlordane (technical)	0.056	U	0.49	0.056	ug/L		02/27/13 09:37	03/01/13 16:45	1
Chlorobenzilate	0.074	U	0.49	0.074	ug/L		02/27/13 09:37	03/01/13 16:45	1
4,4'-DDD	0.0040	U	0.049	0.0040	ug/L		02/27/13 09:37	03/01/13 16:45	1
4,4'-DDE	0.0054	U	0.049	0.0054	ug/L		02/27/13 09:37	03/01/13 16:45	1
4,4'-DDT	0.0031	U	0.049	0.0031	ug/L		02/27/13 09:37	03/01/13 16:45	1
delta-BHC	0.0027	U	0.049	0.0027	ug/L		02/27/13 09:37	03/01/13 16:45	1
Dieldrin	0.0014	U	0.049	0.0014	ug/L		02/27/13 09:37	03/01/13 16:45	1
Endosulfan I	0.0033	U	0.049	0.0033	ug/L		02/27/13 09:37	03/01/13 16:45	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0032	U	0.049	0.0032	ug/L		02/27/13 09:37	03/01/13 16:45	1
Endosulfan sulfate	0.0029	U	0.049	0.0029	ug/L		02/27/13 09:37	03/01/13 16:45	1
Endrin	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:45	1
Endrin aldehyde	0.0031	U	0.049	0.0031	ug/L		02/27/13 09:37	03/01/13 15:38	1
gamma-BHC (Lindane)	0.0025	U	0.049	0.0025	ug/L		02/27/13 09:37	03/01/13 16:45	1
Heptachlor	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:45	1
Heptachlor epoxide	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:45	1
Isodrin	0.0060	U	0.049	0.0060	ug/L		02/27/13 09:37	03/01/13 16:45	1
Methoxychlor	0.0050	U	0.049	0.0050	ug/L		02/27/13 09:37	03/01/13 16:45	1
Toxaphene	0.71	U	4.9	0.71	ug/L		02/27/13 09:37	03/01/13 16:45	1
Kepone	0.081	U	0.49	0.081	ug/L		02/27/13 09:37	03/01/13 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	35		30 - 150				02/27/13 09:37	03/01/13 15:38	1
Tetrachloro-m-xylene	64		30 - 150				02/27/13 09:37	03/01/13 15:38	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.49	0.25	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1221	0.15	U	0.49	0.15	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1232	0.37	U	0.49	0.37	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1242	0.23	U	0.49	0.23	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1248	0.13	U	0.49	0.13	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1254	0.12	U	0.49	0.12	ug/L		02/27/13 09:37	03/01/13 15:56	1
PCB-1260	0.31	U	0.49	0.31	ug/L		02/27/13 09:37	03/01/13 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		30 - 150				02/27/13 09:37	03/01/13 15:56	1
Tetrachloro-m-xylene	56		30 - 150				02/27/13 09:37	03/01/13 15:56	1

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/26/13 14:23	03/01/13 13:07	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/26/13 14:23	03/01/13 13:07	1
Famphur	0.11	U	2.0	0.11	ug/L		02/26/13 14:23	03/01/13 13:07	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/26/13 14:23	03/01/13 13:07	1
Parathion	0.080	U	1.0	0.080	ug/L		02/26/13 14:23	03/01/13 13:07	1
Phorate	0.16	U	1.0	0.16	ug/L		02/26/13 14:23	03/01/13 13:07	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/26/13 14:23	03/01/13 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	64		37 - 139				02/26/13 14:23	03/01/13 13:07	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.32	U	2.6	0.32	ug/L		02/25/13 08:03	03/02/13 07:26	5
2,4-D	0.19	U	2.6	0.19	ug/L		02/25/13 08:03	03/02/13 07:26	5
Dinoseb	0.83	U	31	0.83	ug/L		02/25/13 08:03	03/02/13 07:26	5
Silvex (2,4,5-TP)	0.32	U	2.6	0.32	ug/L		02/25/13 08:03	03/02/13 07:26	5

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	0	D1	52 - 151	02/25/13 08:03	03/02/13 07:26	5

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 01:43	1
Arsenic	16		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 01:43	1
Barium	71		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 01:43	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 12:25	1
Cadmium	0.33	I	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 01:43	1
Chromium	11		5.0	2.5	ug/L		02/26/13 12:47	02/27/13 01:43	1
Cobalt	13		0.50	0.15	ug/L		02/26/13 12:47	02/27/13 01:43	1
Copper	7.2		5.0	1.1	ug/L		02/26/13 12:47	02/27/13 01:43	1
Iron	31000		100	33	ug/L		02/26/13 12:47	02/27/13 01:43	1
Lead	5.0		1.5	0.20	ug/L		02/26/13 12:47	02/27/13 01:43	1
Nickel	44		5.0	2.0	ug/L		02/26/13 12:47	02/27/13 01:43	1
Selenium	2.1	I	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 01:43	1
Silver	0.27	I	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 01:43	1
Sodium	1800		10	5.0	mg/L		02/26/13 12:47	02/27/13 11:49	20
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 01:43	1
Tin	1.5	I	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 01:43	1
Vanadium	52		10	3.8	ug/L		02/26/13 12:47	02/27/13 01:43	1
Zinc	19	I	20	8.3	ug/L		02/26/13 12:47	02/27/13 01:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/26/13 12:24	02/27/13 18:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3100		100	20	mg/L			02/23/13 17:06	100
Ammonia as N	360		25	13	mg/L			02/26/13 15:33	500
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Bicarbonate Alkalinity as CaCO3	2400		1.0	1.0	mg/L			02/27/13 12:05	1
Total Dissolved Solids	7500		250	250	mg/L			02/25/13 10:20	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		02/25/13 08:00	02/25/13 13:06	1
Total Sulfide	3.3		1.0	1.0	mg/L			02/25/13 13:23	1
Biochemical Oxygen Demand	24	U	24	24	mg/L			02/22/13 07:32	1
Chemical Oxygen Demand	870		20	6.3	mg/L			02/26/13 13:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.08				SU			02/20/13 14:45	1
Field Temperature	36.5				Degrees C			02/20/13 14:45	1
Oxygen, Dissolved	0.11				mg/L			02/20/13 14:45	1
Specific Conductance	15064				umhos/cm			02/20/13 14:45	1
Turbidity	72.5				NTU			02/20/13 14:45	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/13 04:49	1
Acetonitrile	20	U	20	20	ug/L			02/24/13 04:49	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/24/13 04:49	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/13 04:49	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
Benzene	20		1.0	0.50	ug/L			02/24/13 04:49	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/13 04:49	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/13 04:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/24/13 04:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/13 04:49	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/13 04:49	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/13 04:49	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/24/13 04:49	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/24/13 04:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/24/13 04:49	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/13 04:49	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/13 04:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 04:49	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/13 04:49	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/13 04:49	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/13 04:49	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/13 04:49	1
1,2-Dichloropropane	0.76	I	1.0	0.52	ug/L			02/24/13 04:49	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/24/13 04:49	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/24/13 04:49	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/24/13 04:49	1
Ethylbenzene	8.7		1.0	0.44	ug/L			02/24/13 04:49	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/13 04:49	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
Isobutyl alcohol	31	U	200	31	ug/L			02/24/13 04:49	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/24/13 04:49	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/13 04:49	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/24/13 04:49	1
Propionitrile	7.2	U	100	7.2	ug/L			02/24/13 04:49	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/13 04:49	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/13 04:49	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/13 04:49	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 04:49	1
Toluene	2.8		1.0	0.51	ug/L			02/24/13 04:49	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/13 04:49	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/13 04:49	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 04:49	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/13 04:49	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/13 04:49	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 04:49	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 04:49	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/13 04:49	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/13 04:49	1
Vinyl chloride	2.7		1.0	0.50	ug/L			02/24/13 04:49	1
Xylenes, Total	22		3.0	0.50	ug/L			02/24/13 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/24/13 04:49	1
Dibromofluoromethane	100		70 - 130		02/24/13 04:49	1
Toluene-d8 (Surr)	102		70 - 130		02/24/13 04:49	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Acetylaminofluorene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Aminobiphenyl	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:24	1
Benzyl alcohol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 17:24	1
Bis(2-chloroethoxy)methane	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 17:24	1
Bis(2-chloroethyl)ether	0.56	U	9.4	0.56	ug/L		02/22/13 14:39	02/28/13 17:24	1
Bis(2-ethylhexyl) phthalate	1.3	I	9.4	0.61	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Bromophenyl phenyl ether	1.2	U	9.4	1.2	ug/L		02/22/13 14:39	02/28/13 17:24	1
Butyl benzyl phthalate	0.84	U	9.4	0.84	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Chloroaniline	0.64	U	19	0.64	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Chloro-3-methylphenol	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Chloronaphthalene	0.57	U	9.4	0.57	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Chlorophenol	0.49	U	9.4	0.49	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Chlorophenyl phenyl ether	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 17:24	1
Diallylate	0.43	U	9.4	0.43	ug/L		02/22/13 14:39	02/28/13 17:24	1
Dibenzofuran	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:24	1
Di-n-butyl phthalate	1.6	U	9.4	1.6	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,2-Dichlorobenzene	0.42	U	9.4	0.42	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,3-Dichlorobenzene	0.40	U	9.4	0.40	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,4-Dichlorobenzene	0.37	U	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 17:24	1
3,3'-Dichlorobenzidine	0.71	U	19	0.71	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4-Dichlorophenol	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,6-Dichlorophenol	0.81	U	9.4	0.81	ug/L		02/22/13 14:39	02/28/13 17:24	1
Diethyl phthalate	1.3	U	9.4	1.3	ug/L		02/22/13 14:39	02/28/13 17:24	1
p-Dimethylamino azobenzene	0.37	U	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 17:24	1
7,12-Dimethylbenz(a)anthracene	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 17:24	1
3,3'-Dimethylbenzidine	2.8	U	19	2.8	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4-Dimethylphenol	0.71	U	9.4	0.71	ug/L		02/22/13 14:39	02/28/13 17:24	1
Dimethyl phthalate	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:24	1
4,6-Dinitro-2-methylphenol	0.91	U	47	0.91	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4-Dinitrophenol	3.7	U	47	3.7	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4-Dinitrotoluene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,6-Dinitrotoluene	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 17:24	1
Di-n-octyl phthalate	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:24	1
Ethyl methanesulfonate	0.87	U	9.4	0.87	ug/L		02/22/13 14:39	02/28/13 17:24	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:24	1
Hexachlorobutadiene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:24	1
Hexachlorocyclopentadiene	0.20	U	9.4	0.20	ug/L		02/22/13 14:39	02/28/13 17:24	1
Hexachloroethane	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 17:24	1
Hexachloropropene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:24	1
Isophorone	0.76	U	9.4	0.76	ug/L		02/22/13 14:39	02/28/13 17:24	1
Isosafrole	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 17:24	1
Methapyrilene	0.94	U	1900	0.94	ug/L		02/22/13 14:39	02/28/13 17:24	1
3-Methylcholanthrene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:24	1
Methyl methanesulfonate	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Methylphenol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 17:24	1
3 & 4 Methylphenol	110		9.4	0.72	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,4-Naphthoquinone	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 17:24	1
1-Naphthylamine	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Naphthylamine	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Nitroaniline	0.79	U	47	0.79	ug/L		02/22/13 14:39	02/28/13 17:24	1
3-Nitroaniline	1.3	U	47	1.3	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Nitroaniline	1.1	U	47	1.1	ug/L		02/22/13 14:39	02/28/13 17:24	1
Nitrobenzene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Nitrophenol	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:24	1
4-Nitrophenol	1.2	U	47	1.2	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosodi-n-butylamine	0.62	U	9.4	0.62	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosodiethylamine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosodimethylamine	2.9	U	9.4	2.9	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosodi-n-propylamine	0.77	U	9.4	0.77	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosodiphenylamine	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosomethylethylamine	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosopiperidine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitrosopyrrolidine	0.66	U	9.4	0.66	ug/L		02/22/13 14:39	02/28/13 17:24	1
N-Nitro-o-toluidine	0.70	U	9.4	0.70	ug/L		02/22/13 14:39	02/28/13 17:24	1
Pentachlorobenzene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:24	1
Pentachloronitrobenzene	0.51	U	9.4	0.51	ug/L		02/22/13 14:39	02/28/13 17:24	1
Pentachlorophenol	1.0	U	47	1.0	ug/L		02/22/13 14:39	02/28/13 17:24	1
Phenacetin	0.50	U	9.4	0.50	ug/L		02/22/13 14:39	02/28/13 17:24	1
Phenol	0.65	U	9.4	0.65	ug/L		02/22/13 14:39	02/28/13 17:24	1
p-Phenylene diamine	470	U	1900	470	ug/L		02/22/13 14:39	02/28/13 17:24	1
Pronamide	0.33	U	9.4	0.33	ug/L		02/22/13 14:39	02/28/13 17:24	1
Safrole, Total	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,2,4,5-Tetrachlorobenzene	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,3,4,6-Tetrachlorophenol	3.6	U	9.4	3.6	ug/L		02/22/13 14:39	02/28/13 17:24	1
2-Toluidine	0.60	U	9.4	0.60	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,2,4-Trichlorobenzene	0.48	U	9.4	0.48	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4,5-Trichlorophenol	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:24	1
2,4,6-Trichlorophenol	0.88	U	9.4	0.88	ug/L		02/22/13 14:39	02/28/13 17:24	1
o,o',o"-Triethylphosphorothioate	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,3,5-Trinitrobenzene	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:24	1
1,3-Dinitrobenzene	1.6	U	47	1.6	ug/L		02/22/13 14:39	02/28/13 17:24	1
bis(2 chloro-1-methylethyl) ether	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 17:24	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		32 - 146	02/22/13 14:39	02/28/13 17:24	1
2-Fluorobiphenyl	86		34 - 141	02/22/13 14:39	02/28/13 17:24	1
Terphenyl-d14	59		10 - 160	02/22/13 14:39	02/28/13 17:24	1
2-Fluorophenol	59		17 - 110	02/22/13 14:39	02/28/13 17:24	1
2,4,6-Tribromophenol	85		37 - 118	02/22/13 14:39	02/28/13 17:24	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Acenaphthylene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Anthracene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Benzo[a]anthracene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Benzo[a]pyrene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Benzo[b]fluoranthene	0.012	U	0.047	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Benzo[g,h,i]perylene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Benzo[k]fluoranthene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Chrysene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Dibenz(a,h)anthracene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Fluoranthene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1
Fluorene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Indeno[1,2,3-cd]pyrene	0.021	U	0.094	0.021	ug/L		02/26/13 18:08	02/28/13 18:59	1
1-Methylnaphthalene	0.32		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
2-Methylnaphthalene	1.2		0.094	0.015	ug/L		02/26/13 18:08	02/28/13 18:59	1
Naphthalene	5.9		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Phenanthrene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 18:59	1
Pyrene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		39 - 121	02/26/13 18:08	02/28/13 18:59	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0023	U	0.021	0.0023	ug/L		03/04/13 17:06	03/04/13 23:56	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.021	0.0051	ug/L		03/04/13 17:06	03/04/13 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	135		60 - 144	03/04/13 17:06	03/04/13 23:56	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		02/27/13 09:37	03/01/13 15:52	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		02/27/13 09:37	03/01/13 15:52	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		02/27/13 09:37	03/01/13 15:52	1
Chlordane (technical)	0.057	U	0.50	0.057	ug/L		02/27/13 09:37	03/01/13 15:52	1
Chlorobenzilate	0.075	U	0.50	0.075	ug/L		02/27/13 09:37	03/01/13 15:52	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		02/27/13 09:37	03/01/13 15:52	1
4,4'-DDE	0.0055	U	0.050	0.0055	ug/L		02/27/13 09:37	03/01/13 15:52	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		02/27/13 09:37	03/01/13 15:52	1
delta-BHC	0.0028	U	0.050	0.0028	ug/L		02/27/13 09:37	03/01/13 15:52	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		02/27/13 09:37	03/01/13 15:52	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		02/27/13 09:37	03/01/13 15:52	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		02/27/13 09:37	03/01/13 15:52	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		02/27/13 09:37	03/01/13 15:52	1
Endrin	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 15:52	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		02/27/13 09:37	03/01/13 15:52	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		02/27/13 09:37	03/01/13 15:52	1
Heptachlor	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 15:52	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 15:52	1
Isodrin	0.0061	U	0.050	0.0061	ug/L		02/27/13 09:37	03/01/13 15:52	1
Methoxychlor	0.0051	U	0.050	0.0051	ug/L		02/27/13 09:37	03/01/13 15:52	1
Toxaphene	0.72	U	5.0	0.72	ug/L		02/27/13 09:37	03/01/13 15:52	1
Kepone	0.083	U	0.50	0.083	ug/L		02/27/13 09:37	03/01/13 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	34		30 - 150				02/27/13 09:37	03/01/13 15:52	1
Tetrachloro-m-xylene	77		30 - 150				02/27/13 09:37	03/01/13 15:52	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.50	0.26	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1221	0.15	U	0.50	0.15	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1232	0.38	U	0.50	0.38	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1242	0.23	U	0.50	0.23	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1248	0.13	U	0.50	0.13	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1254	0.12	U	0.50	0.12	ug/L		02/27/13 09:37	03/01/13 15:10	1
PCB-1260	0.32	U	0.50	0.32	ug/L		02/27/13 09:37	03/01/13 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	33		30 - 150				02/27/13 09:37	03/01/13 15:10	1
Tetrachloro-m-xylene	81		30 - 150				02/27/13 09:37	03/01/13 15:10	1

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U J3	2.0	0.32	ug/L		02/26/13 14:23	03/01/13 13:22	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/26/13 14:23	03/01/13 13:22	1
Famphur	0.11	U	2.0	0.11	ug/L		02/26/13 14:23	03/01/13 13:22	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/26/13 14:23	03/01/13 13:22	1
Parathion	0.080	U	1.0	0.080	ug/L		02/26/13 14:23	03/01/13 13:22	1
Phorate	0.16	U	1.0	0.16	ug/L		02/26/13 14:23	03/01/13 13:22	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/26/13 14:23	03/01/13 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	49		37 - 139				02/26/13 14:23	03/01/13 13:22	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.32	U	2.5	0.32	ug/L		02/25/13 08:03	03/02/13 07:42	5
2,4-D	0.19	U	2.5	0.19	ug/L		02/25/13 08:03	03/02/13 07:42	5
Dinoseb	0.81	U	31	0.81	ug/L		02/25/13 08:03	03/02/13 07:42	5
Silvex (2,4,5-TP)	0.32	U	2.5	0.32	ug/L		02/25/13 08:03	03/02/13 07:42	5

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	0	D1	52 - 151	02/25/13 08:03	03/02/13 07:42	5

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3.0	I	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 01:50	1
Arsenic	15		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 01:50	1
Barium	500		5.0	1.3	ug/L		02/26/13 12:47	02/27/13 01:50	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 12:29	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 01:50	1
Chromium	12		5.0	2.5	ug/L		02/26/13 12:47	02/27/13 01:50	1
Cobalt	12		0.50	0.15	ug/L		02/26/13 12:47	02/27/13 01:50	1
Copper	52		5.0	1.1	ug/L		02/26/13 12:47	02/27/13 01:50	1
Iron	150000		100	33	ug/L		02/26/13 12:47	02/27/13 01:50	1
Lead	4.8		1.5	0.20	ug/L		02/26/13 12:47	02/27/13 01:50	1
Nickel	68		5.0	2.0	ug/L		02/26/13 12:47	02/27/13 01:50	1
Selenium	4.5		2.5	1.0	ug/L		02/26/13 12:47	02/27/13 01:50	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 01:50	1
Sodium	1700		10	5.0	mg/L		02/26/13 12:47	02/27/13 11:55	20
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 01:50	1
Tin	1.5	I	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 01:50	1
Vanadium	44		10	3.8	ug/L		02/26/13 12:47	02/27/13 01:50	1
Zinc	74		20	8.3	ug/L		02/26/13 12:47	02/27/13 01:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	I	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5800		200	40	mg/L			02/23/13 17:18	200
Ammonia as N	510		25	13	mg/L			02/26/13 15:33	500
Nitrate as N	0.13	I	0.50	0.10	mg/L			02/22/13 07:44	1
Bicarbonate Alkalinity as CaCO3	450		1.0	1.0	mg/L			02/27/13 12:05	1
Total Dissolved Solids	5900		250	250	mg/L			02/25/13 10:20	1
Cyanide, Total	0.0044	I	0.010	0.0025	mg/L		02/25/13 08:00	02/25/13 13:10	1
Total Sulfide	1.0	U	1.0	1.0	mg/L			02/25/13 13:23	1
Biochemical Oxygen Demand	30		24	24	mg/L			02/22/13 07:32	1
Chemical Oxygen Demand	840		200	63	mg/L			02/26/13 13:07	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.45				SU			02/20/13 16:00	1
Field Temperature	29.9				Degrees C			02/20/13 16:00	1
Oxygen, Dissolved	2.62				mg/L			02/20/13 16:00	1
Specific Conductance	19518				umhos/cm			02/20/13 16:00	1
Turbidity	312				NTU			02/20/13 16:00	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/13 05:07	1
Acetonitrile	20	U	20	20	ug/L			02/24/13 05:07	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/24/13 05:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/13 05:07	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
Benzene	14		1.0	0.50	ug/L			02/24/13 05:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/13 05:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/13 05:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/24/13 05:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/13 05:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/13 05:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/13 05:07	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/24/13 05:07	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/24/13 05:07	1
Chloroethane	3.1	I	5.0	2.5	ug/L			02/24/13 05:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/24/13 05:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/13 05:07	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
cis-1,2-Dichloroethene	0.67	I	1.0	0.65	ug/L			02/24/13 05:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 05:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/13 05:07	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
1,1-Dichloroethane	0.56	I	1.0	0.52	ug/L			02/24/13 05:07	1
1,2-Dichloroethane	4.0		1.0	0.57	ug/L			02/24/13 05:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/13 05:07	1
1,2-Dichloropropane	0.88	I	1.0	0.52	ug/L			02/24/13 05:07	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/24/13 05:07	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/24/13 05:07	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/24/13 05:07	1
Ethylbenzene	2.8		1.0	0.44	ug/L			02/24/13 05:07	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/13 05:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
Isobutyl alcohol	31	U	200	31	ug/L			02/24/13 05:07	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/24/13 05:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/13 05:07	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/24/13 05:07	1
Propionitrile	7.2	U	100	7.2	ug/L			02/24/13 05:07	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/13 05:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/13 05:07	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/13 05:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 05:07	1
Toluene	1.7		1.0	0.51	ug/L			02/24/13 05:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/13 05:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/13 05:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 05:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/13 05:07	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/13 05:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 05:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 05:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/13 05:07	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/13 05:07	1
Vinyl chloride	3.9		1.0	0.50	ug/L			02/24/13 05:07	1
Xylenes, Total	7.2		3.0	0.50	ug/L			02/24/13 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/24/13 05:07	1
Dibromofluoromethane	102		70 - 130		02/24/13 05:07	1
Toluene-d8 (Surr)	101		70 - 130		02/24/13 05:07	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Acetylaminofluorene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Aminobiphenyl	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:54	1
Benzyl alcohol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 17:54	1
Bis(2-chloroethoxy)methane	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 17:54	1
Bis(2-chloroethyl)ether	0.56	U	9.4	0.56	ug/L		02/22/13 14:39	02/28/13 17:54	1
Bis(2-ethylhexyl) phthalate	1.4	I	9.4	0.61	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Bromophenyl phenyl ether	1.2	U	9.4	1.2	ug/L		02/22/13 14:39	02/28/13 17:54	1
Butyl benzyl phthalate	0.84	U	9.4	0.84	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Chloroaniline	0.64	U	19	0.64	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Chloro-3-methylphenol	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Chloronaphthalene	0.57	U	9.4	0.57	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Chlorophenol	0.49	U	9.4	0.49	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Chlorophenyl phenyl ether	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 17:54	1
Diallate	0.43	U	9.4	0.43	ug/L		02/22/13 14:39	02/28/13 17:54	1
Dibenzofuran	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:54	1
Di-n-butyl phthalate	1.6	U	9.4	1.6	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,2-Dichlorobenzene	0.42	U	9.4	0.42	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,3-Dichlorobenzene	0.40	U	9.4	0.40	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,4-Dichlorobenzene	0.37	U	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 17:54	1
3,3'-Dichlorobenzidine	0.71	U	19	0.71	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4-Dichlorophenol	0.68	U	9.4	0.68	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,6-Dichlorophenol	0.81	U	9.4	0.81	ug/L		02/22/13 14:39	02/28/13 17:54	1
Diethyl phthalate	1.3	U	9.4	1.3	ug/L		02/22/13 14:39	02/28/13 17:54	1
p-Dimethylamino azobenzene	0.37	U	9.4	0.37	ug/L		02/22/13 14:39	02/28/13 17:54	1
7,12-Dimethylbenz(a)anthracene	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 17:54	1
3,3'-Dimethylbenzidine	2.8	U	19	2.8	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4-Dimethylphenol	0.71	U	9.4	0.71	ug/L		02/22/13 14:39	02/28/13 17:54	1
Dimethyl phthalate	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:54	1
4,6-Dinitro-2-methylphenol	0.91	U	47	0.91	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4-Dinitrophenol	3.7	U	47	3.7	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4-Dinitrotoluene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,6-Dinitrotoluene	0.83	U	9.4	0.83	ug/L		02/22/13 14:39	02/28/13 17:54	1
Di-n-octyl phthalate	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:54	1
Ethyl methanesulfonate	0.87	U	9.4	0.87	ug/L		02/22/13 14:39	02/28/13 17:54	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:54	1
Hexachlorobutadiene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:54	1
Hexachlorocyclopentadiene	0.20	U	9.4	0.20	ug/L		02/22/13 14:39	02/28/13 17:54	1
Hexachloroethane	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 17:54	1
Hexachloropropene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:54	1
Isophorone	0.76	U	9.4	0.76	ug/L		02/22/13 14:39	02/28/13 17:54	1
Isosafrole	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 17:54	1
Methapyrilene	0.94	U	1900	0.94	ug/L		02/22/13 14:39	02/28/13 17:54	1
3-Methylcholanthrene	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:54	1
Methyl methanesulfonate	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Methylphenol	0.74	U	9.4	0.74	ug/L		02/22/13 14:39	02/28/13 17:54	1
3 & 4 Methylphenol	12		9.4	0.72	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,4-Naphthoquinone	0.32	U	9.4	0.32	ug/L		02/22/13 14:39	02/28/13 17:54	1
1-Naphthylamine	0.58	U	9.4	0.58	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Naphthylamine	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Nitroaniline	0.79	U	47	0.79	ug/L		02/22/13 14:39	02/28/13 17:54	1
3-Nitroaniline	1.3	U	47	1.3	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Nitroaniline	1.1	U	47	1.1	ug/L		02/22/13 14:39	02/28/13 17:54	1
Nitrobenzene	0.59	U	9.4	0.59	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Nitrophenol	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:54	1
4-Nitrophenol	1.2	U	47	1.2	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosodi-n-butylamine	0.62	U	9.4	0.62	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosodiethylamine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosodimethylamine	2.9	U	9.4	2.9	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosodi-n-propylamine	0.77	U	9.4	0.77	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosodiphenylamine	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosomethylethylamine	1.1	U	9.4	1.1	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosopiperidine	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitrosopyrrolidine	0.66	U	9.4	0.66	ug/L		02/22/13 14:39	02/28/13 17:54	1
N-Nitro-o-toluidine	0.70	U	9.4	0.70	ug/L		02/22/13 14:39	02/28/13 17:54	1
Pentachlorobenzene	0.94	U	9.4	0.94	ug/L		02/22/13 14:39	02/28/13 17:54	1
Pentachloronitrobenzene	0.51	U	9.4	0.51	ug/L		02/22/13 14:39	02/28/13 17:54	1
Pentachlorophenol	1.0	U	47	1.0	ug/L		02/22/13 14:39	02/28/13 17:54	1
Phenacetin	0.50	U	9.4	0.50	ug/L		02/22/13 14:39	02/28/13 17:54	1
Phenol	0.65	U	9.4	0.65	ug/L		02/22/13 14:39	02/28/13 17:54	1
p-Phenylene diamine	470	U	1900	470	ug/L		02/22/13 14:39	02/28/13 17:54	1
Pronamide	0.33	U	9.4	0.33	ug/L		02/22/13 14:39	02/28/13 17:54	1
Safrole, Total	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,2,4,5-Tetrachlorobenzene	0.85	U	9.4	0.85	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,3,4,6-Tetrachlorophenol	3.6	U	9.4	3.6	ug/L		02/22/13 14:39	02/28/13 17:54	1
2-Toluidine	0.60	U	9.4	0.60	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,2,4-Trichlorobenzene	0.48	U	9.4	0.48	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4,5-Trichlorophenol	1.0	U	9.4	1.0	ug/L		02/22/13 14:39	02/28/13 17:54	1
2,4,6-Trichlorophenol	0.88	U	9.4	0.88	ug/L		02/22/13 14:39	02/28/13 17:54	1
o,o',o"-Triethylphosphorothioate	0.75	U	9.4	0.75	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,3,5-Trinitrobenzene	0.55	U	9.4	0.55	ug/L		02/22/13 14:39	02/28/13 17:54	1
1,3-Dinitrobenzene	1.6	U	47	1.6	ug/L		02/22/13 14:39	02/28/13 17:54	1
bis(2 chloro-1-methylethyl) ether	0.67	U	9.4	0.67	ug/L		02/22/13 14:39	02/28/13 17:54	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		32 - 146	02/22/13 14:39	02/28/13 17:54	1
2-Fluorobiphenyl	92		34 - 141	02/22/13 14:39	02/28/13 17:54	1
Terphenyl-d14	62		10 - 160	02/22/13 14:39	02/28/13 17:54	1
2-Fluorophenol	40		17 - 110	02/22/13 14:39	02/28/13 17:54	1
2,4,6-Tribromophenol	85		37 - 118	02/22/13 14:39	02/28/13 17:54	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Acenaphthylene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Anthracene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Benzo[a]anthracene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Benzo[a]pyrene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Benzo[b]fluoranthene	0.012	U	0.047	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Benzo[g,h,i]perylene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Benzo[k]fluoranthene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Chrysene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Dibenz(a,h)anthracene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Fluoranthene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1
Fluorene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Indeno[1,2,3-cd]pyrene	0.021	U	0.094	0.021	ug/L		02/26/13 18:08	02/28/13 19:18	1
1-Methylnaphthalene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
2-Methylnaphthalene	0.83		0.094	0.015	ug/L		02/26/13 18:08	02/28/13 19:18	1
Naphthalene	3.1		0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Phenanthrene	0.019	U	0.094	0.019	ug/L		02/26/13 18:08	02/28/13 19:18	1
Pyrene	0.012	U	0.094	0.012	ug/L		02/26/13 18:08	02/28/13 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	92		39 - 121	02/26/13 18:08	02/28/13 19:18	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 23:39	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/04/13 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	145	J1	60 - 144	03/04/13 17:06	03/04/13 23:39	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0017	U	0.049	0.0017	ug/L		02/27/13 09:37	03/01/13 16:05	1
alpha-BHC	0.0027	U	0.049	0.0027	ug/L		02/27/13 09:37	03/01/13 16:05	1
beta-BHC	0.0026	U	0.049	0.0026	ug/L		02/27/13 09:37	03/01/13 16:05	1
Chlordane (technical)	0.055	U	0.49	0.055	ug/L		02/27/13 09:37	03/01/13 16:05	1
Chlorobenzilate	0.073	U	0.49	0.073	ug/L		02/27/13 09:37	03/01/13 16:05	1
4,4'-DDD	0.0040	U	0.049	0.0040	ug/L		02/27/13 09:37	03/01/13 16:05	1
4,4'-DDE	0.0053	U	0.049	0.0053	ug/L		02/27/13 09:37	03/01/13 16:05	1
4,4'-DDT	0.0031	U	0.049	0.0031	ug/L		02/27/13 09:37	03/01/13 16:05	1
delta-BHC	0.0027	U	0.049	0.0027	ug/L		02/27/13 09:37	03/01/13 16:05	1
Dieldrin	0.0014	U	0.049	0.0014	ug/L		02/27/13 09:37	03/01/13 16:05	1
Endosulfan I	0.0033	U	0.049	0.0033	ug/L		02/27/13 09:37	03/01/13 16:05	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0032	U	0.049	0.0032	ug/L		02/27/13 09:37	03/01/13 16:05	1
Endosulfan sulfate	0.0029	U	0.049	0.0029	ug/L		02/27/13 09:37	03/01/13 16:05	1
Endrin	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:05	1
Endrin aldehyde	0.0031	U	0.049	0.0031	ug/L		02/27/13 09:37	03/01/13 16:05	1
gamma-BHC (Lindane)	0.0025	U	0.049	0.0025	ug/L		02/27/13 09:37	03/01/13 16:05	1
Heptachlor	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:05	1
Heptachlor epoxide	0.0030	U	0.049	0.0030	ug/L		02/27/13 09:37	03/01/13 16:05	1
Isodrin	0.0059	U	0.049	0.0059	ug/L		02/27/13 09:37	03/01/13 16:05	1
Methoxychlor	0.0050	U	0.049	0.0050	ug/L		02/27/13 09:37	03/01/13 16:05	1
Toxaphene	0.70	U	4.9	0.70	ug/L		02/27/13 09:37	03/01/13 16:05	1
Kepone	0.081	U	0.49	0.081	ug/L		02/27/13 09:37	03/01/13 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	36		30 - 150	02/27/13 09:37	03/01/13 16:05	1
Tetrachloro-m-xylene	69		30 - 150	02/27/13 09:37	03/01/13 16:05	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.49	0.25	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1221	0.15	U	0.49	0.15	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1232	0.37	U	0.49	0.37	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1242	0.22	U	0.49	0.22	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1248	0.13	U	0.49	0.13	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1254	0.12	U	0.49	0.12	ug/L		02/27/13 09:37	03/01/13 15:25	1
PCB-1260	0.31	U	0.49	0.31	ug/L		02/27/13 09:37	03/01/13 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	31		30 - 150	02/27/13 09:37	03/01/13 15:25	1
Tetrachloro-m-xylene	71		30 - 150	02/27/13 09:37	03/01/13 15:25	1

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/26/13 14:23	03/01/13 13:37	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/26/13 14:23	03/01/13 13:37	1
Famphur	0.11	U	2.0	0.11	ug/L		02/26/13 14:23	03/01/13 13:37	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/26/13 14:23	03/01/13 13:37	1
Parathion	0.080	U	1.0	0.080	ug/L		02/26/13 14:23	03/01/13 13:37	1
Phorate	0.16	U	1.0	0.16	ug/L		02/26/13 14:23	03/01/13 13:37	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/26/13 14:23	03/01/13 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	57		37 - 139	02/26/13 14:23	03/01/13 13:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.31	U	2.5	0.31	ug/L		02/25/13 08:03	03/02/13 07:58	5
2,4-D	0.18	U	2.5	0.18	ug/L		02/25/13 08:03	03/02/13 07:58	5
Dinoseb	0.80	U	30	0.80	ug/L		02/25/13 08:03	03/02/13 07:58	5
Silvex (2,4,5-TP)	0.31	U	2.5	0.31	ug/L		02/25/13 08:03	03/02/13 07:58	5

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	0	D1	52 - 151	02/25/13 08:03	03/02/13 07:58	5

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.6	U	10	4.6	ug/L		02/26/13 12:47	02/27/13 12:02	2
Arsenic	71		2.5	1.3	ug/L		02/26/13 12:47	02/27/13 01:56	1
Barium	490		10	2.6	ug/L		02/26/13 12:47	02/27/13 12:02	2
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 12:33	1
Cadmium	0.47	I	1.0	0.19	ug/L		02/26/13 12:47	02/27/13 12:02	2
Chromium	1200		5.0	2.5	ug/L		02/26/13 12:47	02/27/13 01:56	1
Cobalt	6.6		0.50	0.15	ug/L		02/26/13 12:47	02/27/13 01:56	1
Copper	110		5.0	1.1	ug/L		02/26/13 12:47	02/27/13 01:56	1
Iron	550000		200	66	ug/L		02/26/13 12:47	02/27/13 12:02	2
Lead	110		1.5	0.20	ug/L		02/26/13 12:47	02/27/13 01:56	1
Nickel	96		5.0	2.0	ug/L		02/26/13 12:47	02/27/13 01:56	1
Selenium	2.4	I	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 01:56	1
Silver	0.50	U	2.0	0.50	ug/L		02/26/13 12:47	02/27/13 12:02	2
Sodium	2400		10	5.0	mg/L		02/26/13 12:47	02/27/13 12:09	20
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 01:56	1
Tin	2.6	U	10	2.6	ug/L		02/26/13 12:47	02/27/13 12:02	2
Vanadium	87		10	3.8	ug/L		02/26/13 12:47	02/27/13 01:56	1
Zinc	1700		20	8.3	ug/L		02/26/13 12:47	02/27/13 01:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19	I	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 13:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		500	100	mg/L			02/26/13 19:40	500
Ammonia as N	440		25	13	mg/L			02/26/13 15:34	500
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1
Bicarbonate Alkalinity as CaCO3	91		1.0	1.0	mg/L			02/27/13 12:05	1
Total Dissolved Solids	29000		250	250	mg/L			02/25/13 10:20	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		02/25/13 08:00	02/25/13 13:11	1
Total Sulfide	1.9		1.0	1.0	mg/L			02/25/13 13:23	1
Biochemical Oxygen Demand	62		24	24	mg/L			02/22/13 07:32	1
Chemical Oxygen Demand	1100		200	63	mg/L			02/26/13 13:07	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.27				SU			02/20/13 15:30	1
Field Temperature	23.9				Degrees C			02/20/13 15:30	1
Oxygen, Dissolved	3.86				mg/L			02/20/13 15:30	1
Specific Conductance	31529				umhos/cm			02/20/13 15:30	1
Turbidity	87.3				NTU			02/20/13 15:30	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: BLANK TRAVEL 52810

Lab Sample ID: 660-52810-4

Date Collected: 02/20/13 14:40

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/13 03:56	1
Acetonitrile	20	U	20	20	ug/L			02/24/13 03:56	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/24/13 03:56	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/13 03:56	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/13 03:56	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/13 03:56	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/13 03:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/24/13 03:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/13 03:56	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/13 03:56	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/13 03:56	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/24/13 03:56	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/24/13 03:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/24/13 03:56	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/13 03:56	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/13 03:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 03:56	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/13 03:56	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/13 03:56	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/13 03:56	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/13 03:56	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/13 03:56	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/24/13 03:56	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/24/13 03:56	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/24/13 03:56	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/13 03:56	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/13 03:56	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
Isobutyl alcohol	31	U	200	31	ug/L			02/24/13 03:56	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/24/13 03:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/13 03:56	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/24/13 03:56	1
Propionitrile	7.2	U	100	7.2	ug/L			02/24/13 03:56	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/13 03:56	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/13 03:56	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/13 03:56	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 03:56	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/13 03:56	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/13 03:56	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/13 03:56	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/13 03:56	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/13 03:56	1

TestAmerica Tampa

Client Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: BLANK TRAVEL 52810

Lab Sample ID: 660-52810-4

Date Collected: 02/20/13 14:40

Matrix: Water

Date Received: 02/20/13 18:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/13 03:56	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/13 03:56	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/13 03:56	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/13 03:56	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/13 03:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/13 03:56	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/13 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		02/24/13 03:56	1
Dibromofluoromethane	102		70 - 130		02/24/13 03:56	1
Toluene-d8 (Surr)	102		70 - 130		02/24/13 03:56	1

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 660-134791/7

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/13 23:55	1
Acetonitrile	20	U	20	20	ug/L			02/23/13 23:55	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/23/13 23:55	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/13 23:55	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/13 23:55	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/13 23:55	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/13 23:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/23/13 23:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/13 23:55	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/13 23:55	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/13 23:55	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/23/13 23:55	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/23/13 23:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/23/13 23:55	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/13 23:55	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/13 23:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/13 23:55	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/13 23:55	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/13 23:55	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/13 23:55	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/13 23:55	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/13 23:55	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/23/13 23:55	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/23/13 23:55	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/23/13 23:55	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/13 23:55	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/13 23:55	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
Isobutyl alcohol	31	U	200	31	ug/L			02/23/13 23:55	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/23/13 23:55	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/13 23:55	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/23/13 23:55	1
Propionitrile	7.2	U	100	7.2	ug/L			02/23/13 23:55	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/13 23:55	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/13 23:55	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/13 23:55	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/13 23:55	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/13 23:55	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/13 23:55	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/13 23:55	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/13 23:55	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 660-134791/7

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/13 23:55	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/13 23:55	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/13 23:55	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/13 23:55	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/13 23:55	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/13 23:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/13 23:55	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/13 23:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		02/23/13 23:55	1
Dibromofluoromethane	101		70 - 130		02/23/13 23:55	1
Toluene-d8 (Surr)	102		70 - 130		02/23/13 23:55	1

Lab Sample ID: LCS 660-134791/5

Matrix: Water

Analysis Batch: 134791

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	44.3		ug/L		111	62 - 142
Acetonitrile	400	378		ug/L		95	70 - 130
Acrolein	100	97.7		ug/L		98	54 - 145
Acrylonitrile	40.0	38.8		ug/L		97	59 - 146
Allyl chloride	40.0	40.0		ug/L		100	70 - 130
Benzene	20.0	18.0		ug/L		90	68 - 134
Bromodichloromethane	20.0	18.0		ug/L		90	70 - 130
Bromoform	20.0	15.5		ug/L		77	65 - 130
Bromomethane	20.0	14.7		ug/L		74	22 - 150
2-Butanone (MEK)	40.0	38.2		ug/L		96	63 - 140
Carbon disulfide	40.0	40.3		ug/L		101	30 - 150
Carbon tetrachloride	20.0	17.6		ug/L		88	61 - 134
Chlorobenzene	20.0	16.9		ug/L		84	70 - 130
Chlorobromomethane	20.0	18.2		ug/L		91	70 - 130
Chlorodibromomethane	20.0	18.0		ug/L		90	70 - 130
Chloroethane	20.0	24.5		ug/L		122	39 - 150
Chloroform	20.0	18.6		ug/L		93	68 - 130
Chloromethane	20.0	20.5		ug/L		102	35 - 150
Chloroprene	20.0	16.0		ug/L		80	70 - 130
cis-1,2-Dichloroethene	20.0	17.7		ug/L		89	66 - 130
cis-1,3-Dichloropropene	20.0	17.4		ug/L		87	70 - 130
Dibromomethane	20.0	17.8		ug/L		89	70 - 130
Dichlorodifluoromethane	20.0	20.4		ug/L		102	16 - 149
1,1-Dichloroethane	20.0	17.5		ug/L		87	66 - 130
1,2-Dichloroethane	20.0	17.9		ug/L		89	70 - 130
1,1-Dichloroethene	20.0	15.0		ug/L		75	51 - 150
1,2-Dichloropropane	20.0	18.5		ug/L		93	70 - 130
1,3-Dichloropropane	20.0	17.7		ug/L		88	70 - 130
2,2-Dichloropropane	20.0	16.9		ug/L		84	66 - 134

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCS 660-134791/5

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	20.0	16.9		ug/L		84	65 - 136
Ethylbenzene	20.0	16.9		ug/L		85	70 - 130
Ethyl methacrylate	40.0	38.9		ug/L		97	70 - 130
2-Hexanone	40.0	39.1		ug/L		98	60 - 148
Iodomethane	40.0	25.6		ug/L		64	50 - 150
Isobutyl alcohol	400	321		ug/L		80	70 - 130
Methacrylonitrile	40.0	37.6		ug/L		94	70 - 130
Methylene Chloride	20.0	17.5		ug/L		87	57 - 130
Methyl methacrylate	40.0	37.4		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	40.0	36.9		ug/L		92	64 - 137
Propionitrile	40.0	36.7	I	ug/L		92	70 - 130
Styrene	20.0	17.2		ug/L		86	68 - 131
1,1,1,2-Tetrachloroethane	20.0	16.8		ug/L		84	70 - 130
1,1,2,2-Tetrachloroethane	20.0	15.4		ug/L		77	70 - 130
Tetrachloroethene	20.0	17.7		ug/L		89	50 - 143
Toluene	20.0	17.6		ug/L		88	70 - 131
trans-1,4-Dichloro-2-butene	40.0	35.2		ug/L		88	70 - 130
trans-1,2-Dichloroethene	20.0	16.6		ug/L		83	62 - 139
trans-1,3-Dichloropropene	20.0	17.3		ug/L		87	67 - 130
1,1,1-Trichloroethane	20.0	17.1		ug/L		85	63 - 132
1,1,2-Trichloroethane	20.0	18.1		ug/L		91	70 - 130
Trichloroethene	20.0	18.2		ug/L		91	63 - 139
Trichlorofluoromethane	20.0	23.9		ug/L		119	62 - 146
1,2,3-Trichloropropane	20.0	15.8		ug/L		79	66 - 130
Vinyl acetate	20.0	21.9		ug/L		110	31 - 146
Vinyl chloride	20.0	21.0		ug/L		105	48 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 660-52843-B-6 MS

Matrix: Water

Analysis Batch: 134791

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	40.0	39.3		ug/L		98	62 - 142
Acetonitrile	20	U	400	516		ug/L		129	70 - 130
Acrolein	3.8	U	100	79.1		ug/L		79	54 - 145
Acrylonitrile	1.2	U	40.0	47.8		ug/L		120	59 - 146
Allyl chloride	2.5	U J3	40.0	52.3	J3	ug/L		131	70 - 130
Benzene	0.50	U	20.0	23.5		ug/L		118	68 - 134
Bromodichloromethane	0.35	U	20.0	22.1		ug/L		111	70 - 130
Bromoform	0.58	U	20.0	18.0		ug/L		90	65 - 130
Bromomethane	2.5	U	20.0	8.86		ug/L		44	22 - 150
2-Butanone (MEK)	8.4	U	40.0	42.6		ug/L		107	63 - 140
Carbon disulfide	1.0	U	40.0	59.9		ug/L		150	30 - 150

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52843-B-6 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 134791

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Carbon tetrachloride	0.42	U	20.0	22.7		ug/L		114	61 - 134
Chlorobenzene	0.63	U	20.0	20.8		ug/L		104	70 - 130
Chlorobromomethane	0.58	U	20.0	23.2		ug/L		116	70 - 130
Chlorodibromomethane	0.34	U	20.0	21.6		ug/L		108	70 - 130
Chloroethane	2.5	U	20.0	22.5		ug/L		113	39 - 150
Chloroform	0.90	U	20.0	23.9		ug/L		120	68 - 130
Chloromethane	1.0	U	20.0	22.2		ug/L		111	35 - 150
Chloroprene	2.5	U	20.0	20.8		ug/L		104	70 - 130
cis-1,2-Dichloroethene	0.65	U	20.0	23.1		ug/L		115	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	21.5		ug/L		107	70 - 130
Dibromomethane	0.41	U	20.0	22.4		ug/L		112	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	20.9		ug/L		105	16 - 149
1,1-Dichloroethane	0.52	U	20.0	23.7		ug/L		118	66 - 130
1,2-Dichloroethane	0.57	U	20.0	23.2		ug/L		116	70 - 130
1,1-Dichloroethene	0.45	U	20.0	23.1		ug/L		116	51 - 150
1,2-Dichloropropane	0.52	U	20.0	23.3		ug/L		117	70 - 130
1,3-Dichloropropane	0.39	U	20.0	22.6		ug/L		113	70 - 130
2,2-Dichloropropane	0.36	U	20.0	21.7		ug/L		109	66 - 134
1,1-Dichloropropene	0.31	U	20.0	22.5		ug/L		113	65 - 136
Ethylbenzene	0.44	U	20.0	20.4		ug/L		102	70 - 130
Ethyl methacrylate	2.5	U	40.0	46.0		ug/L		115	70 - 130
2-Hexanone	4.4	U	40.0	42.6		ug/L		106	60 - 148
Iodomethane	2.5	U	40.0	29.6		ug/L		74	50 - 150
Isobutyl alcohol	31	U	400	395		ug/L		99	70 - 130
Methacrylonitrile	1.8	U	40.0	46.4		ug/L		116	70 - 130
Methylene Chloride	4.0	U	20.0	22.6		ug/L		113	57 - 130
Methyl methacrylate	2.5	U	40.0	45.2		ug/L		113	70 - 130
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	44.5		ug/L		111	64 - 137
Propionitrile	7.2	U	40.0	46.2	I	ug/L		116	70 - 130
Styrene	0.98	U	20.0	20.8		ug/L		104	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.9		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.6		ug/L		93	70 - 130
Tetrachloroethene	0.50	U	20.0	21.7		ug/L		108	50 - 143
Toluene	0.51	U	20.0	22.6		ug/L		113	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	37.2		ug/L		93	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	22.9		ug/L		115	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	21.3		ug/L		106	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	22.5		ug/L		112	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	22.3		ug/L		111	70 - 130
Trichloroethene	0.50	U	20.0	22.5		ug/L		113	63 - 139
Trichlorofluoromethane	2.5	U	20.0	25.1		ug/L		126	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.4		ug/L		92	66 - 130
Vinyl acetate	1.5	U	20.0	22.3		ug/L		111	31 - 146
Vinyl chloride	0.50	U	20.0	22.3		ug/L		111	48 - 147

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	102		70 - 130

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52843-B-6 MS

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Matrix Spike

Prep Type: Total/NA

<i>Surrogate</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
<i>Toluene-d8 (Surr)</i>	102		70 - 130

Lab Sample ID: 660-52843-C-3 DU

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acetonitrile	20	U	20	U	ug/L		NC	30
Acrolein	3.8	U	3.8	U	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	0.52	U	0.52	U	ug/L		NC	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

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52843-C-3 DU

Matrix: Water

Analysis Batch: 134791

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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
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	DU	Limits
%Recovery	Qualifier		
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

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

Lab Sample ID: MB 640-99619/1-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99619

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetophenone	0.80	U	10	0.80	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Acetylaminofluorene	1.0	U	10	1.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Aminobiphenyl	0.58	U	10	0.58	ug/L		02/22/13 12:00	02/28/13 15:35	1
Benzyl alcohol	0.78	U	10	0.78	ug/L		02/22/13 12:00	02/28/13 15:35	1
Bis(2-chloroethoxy)methane	0.72	U	10	0.72	ug/L		02/22/13 12:00	02/28/13 15:35	1
Bis(2-chloroethyl)ether	0.59	U	10	0.59	ug/L		02/22/13 12:00	02/28/13 15:35	1
Bis(2-ethylhexyl) phthalate	0.65	U	10	0.65	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Bromophenyl phenyl ether	1.3	U	10	1.3	ug/L		02/22/13 12:00	02/28/13 15:35	1
Butyl benzyl phthalate	0.89	U	10	0.89	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Chloroaniline	0.68	U	20	0.68	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Chloro-3-methylphenol	1.2	U	10	1.2	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Chlorophenol	0.52	U	10	0.52	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Chlorophenyl phenyl ether	0.88	U	10	0.88	ug/L		02/22/13 12:00	02/28/13 15:35	1
Diallylate	0.46	U	10	0.46	ug/L		02/22/13 12:00	02/28/13 15:35	1
Dibenzofuran	0.80	U	10	0.80	ug/L		02/22/13 12:00	02/28/13 15:35	1
Di-n-butyl phthalate	1.7	U	10	1.7	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,2-Dichlorobenzene	0.44	U	10	0.44	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,3-Dichlorobenzene	0.42	U	10	0.42	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,4-Dichlorobenzene	0.39	U	10	0.39	ug/L		02/22/13 12:00	02/28/13 15:35	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 640-99619/1-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99619

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
3,3'-Dichlorobenzidine	0.75	U	20	0.75	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4-Dichlorophenol	0.72	U	10	0.72	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,6-Dichlorophenol	0.86	U	10	0.86	ug/L		02/22/13 12:00	02/28/13 15:35	1
Diethyl phthalate	1.4	U	10	1.4	ug/L		02/22/13 12:00	02/28/13 15:35	1
p-Dimethylamino azobenzene	0.39	U	10	0.39	ug/L		02/22/13 12:00	02/28/13 15:35	1
7,12-Dimethylbenz(a)anthracene	0.34	U	10	0.34	ug/L		02/22/13 12:00	02/28/13 15:35	1
3,3'-Dimethylbenzidine	3.0	U	20	3.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4-Dimethylphenol	0.75	U	10	0.75	ug/L		02/22/13 12:00	02/28/13 15:35	1
Dimethyl phthalate	1.1	U	10	1.1	ug/L		02/22/13 12:00	02/28/13 15:35	1
4,6-Dinitro-2-methylphenol	0.96	U	50	0.96	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4-Dinitrophenol	3.9	U	50	3.9	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4-Dinitrotoluene	1.2	U	10	1.2	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,6-Dinitrotoluene	0.88	U	10	0.88	ug/L		02/22/13 12:00	02/28/13 15:35	1
Di-n-octyl phthalate	0.58	U	10	0.58	ug/L		02/22/13 12:00	02/28/13 15:35	1
Ethyl methanesulfonate	0.92	U	10	0.92	ug/L		02/22/13 12:00	02/28/13 15:35	1
Hexachlorobenzene	1.2	U	10	1.2	ug/L		02/22/13 12:00	02/28/13 15:35	1
Hexachlorobutadiene	0.62	U	10	0.62	ug/L		02/22/13 12:00	02/28/13 15:35	1
Hexachlorocyclopentadiene	0.21	U	10	0.21	ug/L		02/22/13 12:00	02/28/13 15:35	1
Hexachloroethane	0.71	U	10	0.71	ug/L		02/22/13 12:00	02/28/13 15:35	1
Hexachloropropene	0.63	U	10	0.63	ug/L		02/22/13 12:00	02/28/13 15:35	1
Isophorone	0.81	U	10	0.81	ug/L		02/22/13 12:00	02/28/13 15:35	1
Isosafrole	0.90	U	10	0.90	ug/L		02/22/13 12:00	02/28/13 15:35	1
Methapyrilene	1.0	U	2000	1.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
3-Methylcholanthrene	0.61	U	10	0.61	ug/L		02/22/13 12:00	02/28/13 15:35	1
Methyl methanesulfonate	0.62	U	10	0.62	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Methylphenol	0.78	U	10	0.78	ug/L		02/22/13 12:00	02/28/13 15:35	1
3 & 4 Methylphenol	0.76	U	10	0.76	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,4-Naphthoquinone	0.34	U	10	0.34	ug/L		02/22/13 12:00	02/28/13 15:35	1
1-Naphthylamine	0.62	U	10	0.62	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Naphthylamine	0.63	U	10	0.63	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Nitroaniline	0.84	U	50	0.84	ug/L		02/22/13 12:00	02/28/13 15:35	1
3-Nitroaniline	1.4	U	50	1.4	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Nitroaniline	1.2	U	50	1.2	ug/L		02/22/13 12:00	02/28/13 15:35	1
Nitrobenzene	0.63	U	10	0.63	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Nitrophenol	0.58	U	10	0.58	ug/L		02/22/13 12:00	02/28/13 15:35	1
4-Nitrophenol	1.3	U	50	1.3	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosodi-n-butylamine	0.66	U	10	0.66	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosodiethylamine	1.0	U	10	1.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosodimethylamine	3.1	U	10	3.1	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosodi-n-propylamine	0.82	U	10	0.82	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosodiphenylamine	1.1	U	10	1.1	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosomethylethylamine	1.2	U	10	1.2	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosopiperidine	1.0	U	10	1.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitrosopyrrolidine	0.70	U	10	0.70	ug/L		02/22/13 12:00	02/28/13 15:35	1
N-Nitro-o-toluidine	0.74	U	10	0.74	ug/L		02/22/13 12:00	02/28/13 15:35	1
Pentachlorobenzene	1.0	U	10	1.0	ug/L		02/22/13 12:00	02/28/13 15:35	1
Pentachloronitrobenzene	0.54	U	10	0.54	ug/L		02/22/13 12:00	02/28/13 15:35	1
Pentachlorophenol	1.1	U	50	1.1	ug/L		02/22/13 12:00	02/28/13 15:35	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 640-99619/1-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99619

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenacetin	0.53	U	10	0.53	ug/L		02/22/13 12:00	02/28/13 15:35	1
Phenol	0.69	U	10	0.69	ug/L		02/22/13 12:00	02/28/13 15:35	1
p-Phenylene diamine	500	U	2000	500	ug/L		02/22/13 12:00	02/28/13 15:35	1
Pronamide	0.35	U	10	0.35	ug/L		02/22/13 12:00	02/28/13 15:35	1
Safrole, Total	1.1	U	10	1.1	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,2,4,5-Tetrachlorobenzene	0.90	U	10	0.90	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,3,4,6-Tetrachlorophenol	3.8	U	10	3.8	ug/L		02/22/13 12:00	02/28/13 15:35	1
2-Toluidine	0.64	U	10	0.64	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,2,4-Trichlorobenzene	0.51	U	10	0.51	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4,5-Trichlorophenol	1.1	U	10	1.1	ug/L		02/22/13 12:00	02/28/13 15:35	1
2,4,6-Trichlorophenol	0.93	U	10	0.93	ug/L		02/22/13 12:00	02/28/13 15:35	1
o,o',o''-Triethylphosphorothioate	0.80	U	10	0.80	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,3,5-Trinitrobenzene	0.58	U	10	0.58	ug/L		02/22/13 12:00	02/28/13 15:35	1
1,3-Dinitrobenzene	1.7	U	50	1.7	ug/L		02/22/13 12:00	02/28/13 15:35	1
bis(2 chloro-1-methylethyl) ether	0.71	U	10	0.71	ug/L		02/22/13 12:00	02/28/13 15:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		32 - 146	02/22/13 12:00	02/28/13 15:35	1
2-Fluorobiphenyl	90		34 - 141	02/22/13 12:00	02/28/13 15:35	1
Terphenyl-d14	109		10 - 160	02/22/13 12:00	02/28/13 15:35	1
2-Fluorophenol	66		17 - 110	02/22/13 12:00	02/28/13 15:35	1
2,4,6-Tribromophenol	75		37 - 118	02/22/13 12:00	02/28/13 15:35	1

Lab Sample ID: LCS 640-99619/2-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl alcohol	50.0	35.3		ug/L		71	53 - 105
Bis(2-chloroethoxy)methane	50.0	41.5		ug/L		83	62 - 114
Bis(2-chloroethyl)ether	50.0	38.9		ug/L		78	57 - 108
Bis(2-ethylhexyl) phthalate	50.0	42.1		ug/L		84	75 - 121
4-Bromophenyl phenyl ether	50.0	44.1		ug/L		88	56 - 127
Butyl benzyl phthalate	50.0	43.6		ug/L		87	74 - 119
4-Chloroaniline	50.0	29.9		ug/L		60	23 - 100
4-Chloro-3-methylphenol	50.0	41.8		ug/L		84	57 - 114
2-Chloronaphthalene	50.0	40.7		ug/L		81	47 - 114
2-Chlorophenol	50.0	37.2		ug/L		74	40 - 100
4-Chlorophenyl phenyl ether	50.0	42.0		ug/L		84	63 - 114
Dibenzofuran	50.0	43.2		ug/L		86	59 - 110
Di-n-butyl phthalate	50.0	43.4		ug/L		87	68 - 118
1,2-Dichlorobenzene	50.0	30.5		ug/L		61	25 - 100
1,3-Dichlorobenzene	50.0	27.3		ug/L		55	19 - 100
1,4-Dichlorobenzene	50.0	29.4		ug/L		59	21 - 100
2,4-Dichlorophenol	50.0	40.1		ug/L		80	48 - 111
Diethyl phthalate	50.0	44.5		ug/L		89	48 - 134
2,4-Dimethylphenol	50.0	27.1		ug/L		54	28 - 100
Dimethyl phthalate	50.0	43.5		ug/L		87	37 - 135

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCS 640-99619/2-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	50.0	44.6	I	ug/L		89	10 - 140
2,4-Dinitrophenol	50.0	42.8	I	ug/L		86	10 - 153
2,4-Dinitrotoluene	50.0	47.6		ug/L		95	72 - 118
2,6-Dinitrotoluene	50.0	44.5		ug/L		89	73 - 120
Di-n-octyl phthalate	50.0	44.9		ug/L		90	50 - 127
Hexachlorobenzene	50.0	43.4		ug/L		87	71 - 109
Hexachlorobutadiene	50.0	27.1		ug/L		54	10 - 100
Hexachlorocyclopentadiene	50.0	8.74	I	ug/L		17	10 - 100
Hexachloroethane	50.0	22.6		ug/L		45	10 - 100
Isophorone	50.0	42.7		ug/L		85	64 - 116
2-Methylphenol	50.0	40.3		ug/L		81	46 - 101
3 & 4 Methylphenol	100	82.5		ug/L		83	23 - 138
2-Nitroaniline	50.0	46.9	I	ug/L		94	66 - 128
3-Nitroaniline	50.0	36.0	I	ug/L		72	50 - 111
4-Nitroaniline	50.0	40.2	I	ug/L		80	55 - 116
Nitrobenzene	50.0	44.3		ug/L		89	58 - 119
2-Nitrophenol	50.0	41.0		ug/L		82	43 - 116
4-Nitrophenol	50.0	40.1	I	ug/L		80	28 - 140
N-Nitrosodimethylamine	50.0	43.1		ug/L		86	45 - 111
N-Nitrosodi-n-propylamine	50.0	39.9		ug/L		80	58 - 108
N-Nitrosodiphenylamine	50.0	44.5		ug/L		89	68 - 114
Pentachlorophenol	50.0	46.5	I	ug/L		93	22 - 138
Phenol	50.0	36.0		ug/L		72	40 - 109
2,3,4,6-Tetrachlorophenol	50.0	47.8		ug/L		96	56 - 108
1,2,4-Trichlorobenzene	50.0	32.6		ug/L		65	25 - 100
2,4,5-Trichlorophenol	50.0	42.0		ug/L		84	60 - 115
2,4,6-Trichlorophenol	50.0	42.3		ug/L		85	57 - 115
1,3-Dinitrobenzene	50.0	44.1	I	ug/L		88	50 - 121
bis(2 chloro-1-methylethyl) ether	50.0	34.8		ug/L		70	44 - 109

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	91		32 - 146
2-Fluorobiphenyl	88		34 - 141
Terphenyl-d14	105		10 - 160
2-Fluorophenol	67		17 - 110
2,4,6-Tribromophenol	80		37 - 118

Lab Sample ID: LCSD 640-99619/3-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzyl alcohol	50.0	35.5		ug/L		71	53 - 105	1	30
Bis(2-chloroethoxy)methane	50.0	39.3		ug/L		79	62 - 114	6	30
Bis(2-chloroethyl)ether	50.0	36.8		ug/L		74	57 - 108	6	30
Bis(2-ethylhexyl) phthalate	50.0	42.9		ug/L		86	75 - 121	2	23
4-Bromophenyl phenyl ether	50.0	43.1		ug/L		86	56 - 127	2	40
Butyl benzyl phthalate	50.0	42.9		ug/L		86	74 - 119	2	24

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCSD 640-99619/3-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
4-Chloroaniline	50.0	26.4		ug/L		53	23 - 100	12	56
4-Chloro-3-methylphenol	50.0	41.5		ug/L		83	57 - 114	1	41
2-Chloronaphthalene	50.0	39.3		ug/L		79	47 - 114	4	28
2-Chlorophenol	50.0	36.1		ug/L		72	40 - 100	3	47
4-Chlorophenyl phenyl ether	50.0	42.3		ug/L		85	63 - 114	1	30
Dibenzofuran	50.0	41.2		ug/L		82	59 - 110	5	33
Di-n-butyl phthalate	50.0	41.8		ug/L		84	68 - 118	4	22
1,2-Dichlorobenzene	50.0	27.5		ug/L		55	25 - 100	10	28
1,3-Dichlorobenzene	50.0	25.4		ug/L		51	19 - 100	7	33
1,4-Dichlorobenzene	50.0	26.5		ug/L		53	21 - 100	11	33
2,4-Dichlorophenol	50.0	37.4		ug/L		75	48 - 111	7	46
Diethyl phthalate	50.0	42.7		ug/L		85	48 - 134	4	23
2,4-Dimethylphenol	50.0	24.4		ug/L		49	28 - 100	10	33
Dimethyl phthalate	50.0	42.7		ug/L		85	37 - 135	2	25
4,6-Dinitro-2-methylphenol	50.0	42.9	I	ug/L		86	10 - 140	4	40
2,4-Dinitrophenol	50.0	40.2	I	ug/L		80	10 - 153	6	40
2,4-Dinitrotoluene	50.0	45.2		ug/L		90	72 - 118	5	32
2,6-Dinitrotoluene	50.0	43.6		ug/L		87	73 - 120	2	26
Di-n-octyl phthalate	50.0	45.2		ug/L		90	50 - 127	1	21
Hexachlorobenzene	50.0	42.9		ug/L		86	71 - 109	1	20
Hexachlorobutadiene	50.0	24.3		ug/L		49	10 - 100	11	30
Hexachlorocyclopentadiene	50.0	7.62	I	ug/L		15	10 - 100	14	50
Hexachloroethane	50.0	20.0		ug/L		40	10 - 100	12	50
Isophorone	50.0	41.0		ug/L		82	64 - 116	4	21
2-Methylphenol	50.0	36.0		ug/L		72	46 - 101	11	40
3 & 4 Methylphenol	100	74.5		ug/L		75	23 - 138	10	44
2-Nitroaniline	50.0	43.8	I	ug/L		88	66 - 128	7	24
3-Nitroaniline	50.0	33.0	I	ug/L		66	50 - 111	9	31
4-Nitroaniline	50.0	36.9	I	ug/L		74	55 - 116	9	28
Nitrobenzene	50.0	41.1		ug/L		82	58 - 119	7	25
2-Nitrophenol	50.0	38.8		ug/L		78	43 - 116	5	50
4-Nitrophenol	50.0	39.3	I	ug/L		79	28 - 140	2	50
N-Nitrosodimethylamine	50.0	38.0		ug/L		76	45 - 111	13	38
N-Nitrosodi-n-propylamine	50.0	39.9		ug/L		80	58 - 108	0	28
N-Nitrosodiphenylamine	50.0	43.1		ug/L		86	68 - 114	3	23
Pentachlorophenol	50.0	42.2	I	ug/L		84	22 - 138	10	40
Phenol	50.0	34.1		ug/L		68	40 - 109	6	50
2,3,4,6-Tetrachlorophenol	50.0	47.9		ug/L		96	56 - 108	0	43
1,2,4-Trichlorobenzene	50.0	29.8		ug/L		60	25 - 100	9	29
2,4,5-Trichlorophenol	50.0	42.7		ug/L		85	60 - 115	2	37
2,4,6-Trichlorophenol	50.0	41.4		ug/L		83	57 - 115	2	35
1,3-Dinitrobenzene	50.0	43.7	I	ug/L		87	50 - 121	1	40
bis(2 chloro-1-methylethyl) ether	50.0	34.5		ug/L		69	44 - 109	1	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	88		32 - 146
2-Fluorobiphenyl	87		34 - 141
Terphenyl-d14	114		10 - 160

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCSD 640-99619/3-A

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99619

<i>Surrogate</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
2-Fluorophenol	67		17 - 110
2,4,6-Tribromophenol	82		37 - 118

Lab Sample ID: 640-42390-F-1-A MS

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99619

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
				<i>Result</i>	<i>Qualifier</i>				
Benzyl alcohol	0.78	U	50.0	17.3		ug/L		35	32 - 135
Bis(2-chloroethoxy)methane	0.72	U J3	50.0	20.0	J3	ug/L		40	45 - 135
Bis(2-chloroethyl)ether	0.59	U J3	50.0	17.9	J3	ug/L		36	45 - 135
Bis(2-ethylhexyl) phthalate	0.85	I	50.0	44.0		ug/L		86	41 - 135
4-Bromophenyl phenyl ether	1.3	U	50.0	32.6		ug/L		65	39 - 135
Butyl benzyl phthalate	0.89	U	50.0	45.0		ug/L		90	45 - 135
4-Chloroaniline	0.68	U	50.0	18.7	I	ug/L		37	10 - 135
4-Chloro-3-methylphenol	1.2	U	50.0	28.4		ug/L		57	42 - 135
2-Chloronaphthalene	0.60	U J3	50.0	22.6		ug/L		45	45 - 135
2-Chlorophenol	0.52	U J3	50.0	16.5	J3	ug/L		33	38 - 135
4-Chlorophenyl phenyl ether	0.88	U	50.0	30.8		ug/L		62	45 - 135
Dibenzofuran	0.80	U	50.0	28.4		ug/L		57	45 - 135
Di-n-butyl phthalate	1.7	U	50.0	44.4		ug/L		89	45 - 135
1,2-Dichlorobenzene	0.44	U J3	50.0	12.2	J3	ug/L		24	34 - 135
1,3-Dichlorobenzene	0.42	U J3	50.0	10.4	J3	ug/L		21	28 - 135
1,4-Dichlorobenzene	0.39	U J3	50.0	11.3	J3	ug/L		23	27 - 135
2,4-Dichlorophenol	0.72	U J3	50.0	21.2	J3	ug/L		42	45 - 135
Diethyl phthalate	1.4	U	50.0	40.4		ug/L		81	45 - 135
2,4-Dimethylphenol	0.75	U	50.0	18.4		ug/L		37	28 - 135
Dimethyl phthalate	1.1	U	50.0	35.0		ug/L		70	45 - 135
4,6-Dinitro-2-methylphenol	0.96	U	50.0	43.8	I	ug/L		88	33 - 135
2,4-Dinitrophenol	3.9	U	50.0	34.8	I	ug/L		70	13 - 135
2,4-Dinitrotoluene	1.2	U	50.0	42.6		ug/L		85	38 - 135
2,6-Dinitrotoluene	0.88	U	50.0	36.6		ug/L		73	45 - 135
Di-n-octyl phthalate	0.58	U	50.0	47.3		ug/L		95	45 - 135
Hexachlorobenzene	1.2	U	50.0	36.0		ug/L		72	45 - 135
Hexachlorobutadiene	0.62	U J3	50.0	9.49	I J3	ug/L		19	27 - 135
Hexachlorocyclopentadiene	0.21	U	50.0	2.33	I	ug/L		5	0 - 135
Hexachloroethane	0.71	U J3	50.0	7.72	I J3	ug/L		15	26 - 135
Isophorone	0.81	U	50.0	23.9		ug/L		48	39 - 135
2-Methylphenol	0.78	U	50.0	19.6		ug/L		39	34 - 135
3 & 4 Methylphenol	0.76	U	100	40.8		ug/L		41	30 - 135
2-Nitroaniline	0.84	U	50.0	36.8	I	ug/L		74	28 - 135
3-Nitroaniline	1.4	U	50.0	37.3	I	ug/L		75	36 - 135
4-Nitroaniline	1.2	U	50.0	47.2	I	ug/L		94	23 - 135
Nitrobenzene	0.63	U J3	50.0	20.2	J3	ug/L		40	45 - 135
2-Nitrophenol	0.58	U J3	50.0	19.7	J3	ug/L		39	42 - 135
4-Nitrophenol	1.3	U	50.0	43.6	I	ug/L		87	38 - 135
N-Nitrosodimethylamine	3.1	U J3	50.0	16.1	J3	ug/L		32	45 - 135
N-Nitrosodi-n-propylamine	0.82	U	50.0	20.8		ug/L		42	31 - 135

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 640-42390-F-1-A MS

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
N-Nitrosodiphenylamine	1.1	U	50.0	38.0		ug/L		76	45 - 135
Pentachlorophenol	1.1	U	50.0	32.9	I	ug/L		66	24 - 135
Phenol	0.69	U	50.0	16.5		ug/L		33	33 - 135
2,3,4,6-Tetrachlorophenol	3.8	U	50.0	33.5		ug/L		67	45 - 135
1,2,4-Trichlorobenzene	0.51	U J3	50.0	12.6	J3	ug/L		25	28 - 135
2,4,5-Trichlorophenol	1.1	U	50.0	30.3		ug/L		61	45 - 135
2,4,6-Trichlorophenol	0.93	U	50.0	28.4		ug/L		57	45 - 135
1,3-Dinitrobenzene	1.7	U	50.0	37.5	I	ug/L		75	45 - 135
bis(2 chloro-1-methylethyl) ether	0.71	U J3	50.0	15.6	J3	ug/L		31	45 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	40		32 - 146
2-Fluorobiphenyl	46		34 - 141
Terphenyl-d14	102		10 - 160
2-Fluorophenol	28		17 - 110
2,4,6-Tribromophenol	69		37 - 118

Lab Sample ID: 640-42390-F-1-B MSD

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Benzyl alcohol	0.78	U	50.0	17.3		ug/L		35	32 - 135	0	40
Bis(2-chloroethoxy)methane	0.72	U J3	50.0	20.3	J3	ug/L		41	45 - 135	1	40
Bis(2-chloroethyl)ether	0.59	U J3	50.0	17.4	J3	ug/L		35	45 - 135	3	40
Bis(2-ethylhexyl) phthalate	0.85	I	50.0	44.2		ug/L		87	41 - 135	1	40
4-Bromophenyl phenyl ether	1.3	U	50.0	36.2		ug/L		72	39 - 135	10	40
Butyl benzyl phthalate	0.89	U	50.0	46.7		ug/L		93	45 - 135	4	40
4-Chloroaniline	0.68	U	50.0	21.7		ug/L		43	10 - 135	15	100
4-Chloro-3-methylphenol	1.2	U	50.0	31.5		ug/L		63	42 - 135	10	40
2-Chloronaphthalene	0.60	U J3	50.0	21.8	J3	ug/L		44	45 - 135	4	40
2-Chlorophenol	0.52	U J3	50.0	15.3	J3	ug/L		31	38 - 135	8	40
4-Chlorophenyl phenyl ether	0.88	U	50.0	31.6		ug/L		63	45 - 135	2	40
Dibenzofuran	0.80	U	50.0	28.0		ug/L		56	45 - 135	1	40
Di-n-butyl phthalate	1.7	U	50.0	46.3		ug/L		93	45 - 135	4	40
1,2-Dichlorobenzene	0.44	U J3	50.0	11.7	J3	ug/L		23	34 - 135	5	40
1,3-Dichlorobenzene	0.42	U J3	50.0	10.4	J3	ug/L		21	28 - 135	0	40
1,4-Dichlorobenzene	0.39	U J3	50.0	10.5	J3	ug/L		21	27 - 135	7	40
2,4-Dichlorophenol	0.72	U J3	50.0	21.3	J3	ug/L		43	45 - 135	0	40
Diethyl phthalate	1.4	U	50.0	41.6		ug/L		83	45 - 135	3	40
2,4-Dimethylphenol	0.75	U	50.0	14.9		ug/L		30	28 - 135	21	40
Dimethyl phthalate	1.1	U	50.0	36.5		ug/L		73	45 - 135	4	40
4,6-Dinitro-2-methylphenol	0.96	U	50.0	44.7	I	ug/L		89	33 - 135	2	40
2,4-Dinitrophenol	3.9	U	50.0	34.5	I	ug/L		69	13 - 135	1	40
2,4-Dinitrotoluene	1.2	U	50.0	44.8		ug/L		90	38 - 135	5	40
2,6-Dinitrotoluene	0.88	U	50.0	37.8		ug/L		76	45 - 135	3	40
Di-n-octyl phthalate	0.58	U	50.0	48.4		ug/L		97	45 - 135	2	40
Hexachlorobenzene	1.2	U	50.0	38.6		ug/L		77	45 - 135	7	40

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 640-42390-F-1-B MSD

Matrix: Water

Analysis Batch: 99806

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99619

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Hexachlorobutadiene	0.62	U J3	50.0	9.26	I J3	ug/L		19	27 - 135	2	40
Hexachlorocyclopentadiene	0.21	U	50.0	1.73	I	ug/L		3	0 - 135	30	100
Hexachloroethane	0.71	U J3	50.0	7.94	I J3	ug/L		16	26 - 135	3	40
Isophorone	0.81	U	50.0	23.8		ug/L		48	39 - 135	0	40
2-Methylphenol	0.78	U	50.0	18.3		ug/L		37	34 - 135	7	40
3 & 4 Methylphenol	0.76	U	100	37.8		ug/L		38	30 - 135	7	40
2-Nitroaniline	0.84	U	50.0	38.1	I	ug/L		76	28 - 135	3	40
3-Nitroaniline	1.4	U	50.0	39.3	I	ug/L		79	36 - 135	5	40
4-Nitroaniline	1.2	U	50.0	47.6	I	ug/L		95	23 - 135	1	40
Nitrobenzene	0.63	U J3	50.0	21.3	J3	ug/L		43	45 - 135	5	40
2-Nitrophenol	0.58	U J3	50.0	17.8	J3	ug/L		36	42 - 135	10	40
4-Nitrophenol	1.3	U	50.0	44.8	I	ug/L		90	38 - 135	3	40
N-Nitrosodimethylamine	3.1	U J3	50.0	16.8	J3	ug/L		34	45 - 135	4	40
N-Nitrosodi-n-propylamine	0.82	U	50.0	20.2		ug/L		40	31 - 135	3	40
N-Nitrosodiphenylamine	1.1	U	50.0	38.6		ug/L		77	45 - 135	2	40
Pentachlorophenol	1.1	U	50.0	33.1	I	ug/L		66	24 - 135	1	40
Phenol	0.69	U	50.0	17.1		ug/L		34	33 - 135	4	40
2,3,4,6-Tetrachlorophenol	3.8	U	50.0	38.9		ug/L		78	45 - 135	15	40
1,2,4-Trichlorobenzene	0.51	U J3	50.0	12.3	J3	ug/L		25	28 - 135	2	40
2,4,5-Trichlorophenol	1.1	U	50.0	30.7		ug/L		61	45 - 135	1	40
2,4,6-Trichlorophenol	0.93	U	50.0	26.8		ug/L		54	45 - 135	6	40
1,3-Dinitrobenzene	1.7	U	50.0	39.6	I	ug/L		79	45 - 135	5	40
bis(2 chloro-1-methylethyl) ether	0.71	U J3	50.0	15.7	J3	ug/L		31	45 - 135	0	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	41		32 - 146
2-Fluorobiphenyl	45		34 - 141
Terphenyl-d14	104		10 - 160
2-Fluorophenol	26		17 - 110
2,4,6-Tribromophenol	74		37 - 118

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 640-99723/1-A

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99723

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Acenaphthylene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Anthracene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Benzo[a]anthracene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Benzo[a]pyrene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Benzo[b]fluoranthene	0.013	U	0.050	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Benzo[g,h,i]perylene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Benzo[k]fluoranthene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Chrysene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Dibenz(a,h)anthracene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 640-99723/1-A

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99723

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1
Fluorene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Indeno[1,2,3-cd]pyrene	0.022	U	0.10	0.022	ug/L		02/26/13 18:08	02/28/13 15:06	1
1-Methylnaphthalene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
2-Methylnaphthalene	0.016	U	0.10	0.016	ug/L		02/26/13 18:08	02/28/13 15:06	1
Naphthalene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Phenanthrene	0.020	U	0.10	0.020	ug/L		02/26/13 18:08	02/28/13 15:06	1
Pyrene	0.013	U	0.10	0.013	ug/L		02/26/13 18:08	02/28/13 15:06	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl (Surr)	96		39 - 121	02/26/13 18:08	02/28/13 15:06	1

Lab Sample ID: LCS 640-99723/2-A

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limit	RPD
Acenaphthene	4.00	3.72		ug/L		93	42 - 100	
Acenaphthylene	4.00	3.25		ug/L		81	42 - 100	
Anthracene	4.00	3.44		ug/L		86	49 - 100	
Benzo[a]anthracene	4.00	3.59		ug/L		90	59 - 100	
Benzo[a]pyrene	4.00	3.63		ug/L		91	37 - 107	
Benzo[b]fluoranthene	4.00	3.88		ug/L		97	53 - 107	
Benzo[g,h,i]perylene	4.00	3.41		ug/L		85	30 - 104	
Benzo[k]fluoranthene	4.00	3.82		ug/L		95	51 - 106	
Chrysene	4.00	3.41		ug/L		85	62 - 100	
Dibenz(a,h)anthracene	4.00	3.60		ug/L		90	30 - 109	
Fluoranthene	4.00	3.97		ug/L		99	63 - 100	
Fluorene	4.00	3.73		ug/L		93	52 - 100	
Indeno[1,2,3-cd]pyrene	4.00	3.91		ug/L		98	30 - 122	
1-Methylnaphthalene	4.00	3.43		ug/L		86	34 - 100	
2-Methylnaphthalene	4.00	3.79		ug/L		95	35 - 100	
Naphthalene	4.00	3.37		ug/L		84	35 - 100	
Phenanthrene	4.00	3.79		ug/L		95	56 - 100	
Pyrene	4.00	3.60		ug/L		90	56 - 100	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl (Surr)	93		39 - 121

Lab Sample ID: LCSD 640-99723/3-A

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							Limit	RPD	Limit	RPD
Acenaphthene	4.00	3.54		ug/L		89	42 - 100	5	26	
Acenaphthylene	4.00	3.09		ug/L		77	42 - 100	5	30	
Anthracene	4.00	3.26		ug/L		81	49 - 100	5	20	
Benzo[a]anthracene	4.00	3.70		ug/L		92	59 - 100	3	28	

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 640-99723/3-A

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit		
Benzo[a]pyrene	4.00	3.39		ug/L		85	37 - 107	7	30	
Benzo[b]fluoranthene	4.00	4.02		ug/L		100	53 - 107	3	30	
Benzo[g,h,i]perylene	4.00	3.36		ug/L		84	30 - 104	1	45	
Benzo[k]fluoranthene	4.00	3.86		ug/L		97	51 - 106	1	30	
Chrysene	4.00	3.48		ug/L		87	62 - 100	2	28	
Dibenz(a,h)anthracene	4.00	3.58		ug/L		90	30 - 109	0	45	
Fluoranthene	4.00	3.87		ug/L		97	63 - 100	2	26	
Fluorene	4.00	3.71		ug/L		93	52 - 100	1	26	
Indeno[1,2,3-cd]pyrene	4.00	3.75		ug/L		94	30 - 122	4	50	
1-Methylnaphthalene	4.00	3.24		ug/L		81	34 - 100	5	35	
2-Methylnaphthalene	4.00	3.67		ug/L		92	35 - 100	3	40	
Naphthalene	4.00	3.24		ug/L		81	35 - 100	4	40	
Phenanthrene	4.00	3.72		ug/L		93	56 - 100	2	20	
Pyrene	4.00	3.84		ug/L		96	56 - 100	7	22	

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
<i>o</i> -Terphenyl (Surr)	92		39 - 121

Lab Sample ID: 660-52849-B-3-A MS

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 99723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
Acenaphthene	0.020	U	4.00	2.77		ug/L		69	27 - 110	
Acenaphthylene	0.013	U	4.00	2.46		ug/L		61	27 - 106	
Anthracene	0.020	U	4.00	2.44		ug/L		61	30 - 107	
Benzo[a]anthracene	0.013	U	4.00	3.42		ug/L		85	49 - 115	
Benzo[a]pyrene	0.013	U	4.00	2.85		ug/L		71	31 - 122	
Benzo[b]fluoranthene	0.013	U	4.00	3.71		ug/L		93	40 - 119	
Benzo[g,h,i]perylene	0.020	U	4.00	3.43		ug/L		86	19 - 124	
Benzo[k]fluoranthene	0.013	U	4.00	3.59		ug/L		90	36 - 122	
Chrysene	0.013	U	4.00	3.35		ug/L		84	49 - 119	
Dibenz(a,h)anthracene	0.020	U	4.00	3.49		ug/L		87	14 - 117	
Fluoranthene	0.12		4.00	3.53		ug/L		85	48 - 116	
Fluorene	0.020	U	4.00	2.97		ug/L		74	30 - 114	
Indeno[1,2,3-cd]pyrene	0.022	U	4.00	3.94		ug/L		99	18 - 124	
1-Methylnaphthalene	0.020	U	4.00	2.41		ug/L		60	27 - 105	
2-Methylnaphthalene	0.016	U	4.00	2.55		ug/L		64	23 - 109	
Naphthalene	0.020	U	4.00	2.28		ug/L		57	20 - 111	
Phenanthrene	0.031	I	4.00	3.03		ug/L		75	38 - 116	
Pyrene	0.090	I	4.00	3.55		ug/L		86	47 - 119	

Surrogate	MS %Recovery	MS Qualifier	MS Limits
<i>o</i> -Terphenyl (Surr)	78		39 - 121

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 660-52849-B-3-B MSD

Matrix: Water

Analysis Batch: 99778

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 99723

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acenaphthene	0.020	U	4.00	2.69		ug/L		67	27 - 110	3	40
Acenaphthylene	0.013	U	4.00	2.31		ug/L		58	27 - 106	6	52
Anthracene	0.020	U	4.00	2.66		ug/L		67	30 - 107	9	36
Benzo[a]anthracene	0.013	U	4.00	3.47		ug/L		87	49 - 115	1	33
Benzo[a]pyrene	0.013	U	4.00	3.20		ug/L		80	31 - 122	12	34
Benzo[b]fluoranthene	0.013	U	4.00	3.68		ug/L		92	40 - 119	1	38
Benzo[g,h,i]perylene	0.020	U	4.00	3.38		ug/L		85	19 - 124	1	42
Benzo[k]fluoranthene	0.013	U	4.00	3.59		ug/L		90	36 - 122	0	36
Chrysene	0.013	U	4.00	3.50		ug/L		87	49 - 119	4	35
Dibenz(a,h)anthracene	0.020	U	4.00	3.46		ug/L		87	14 - 117	1	39
Fluoranthene	0.12		4.00	3.67		ug/L		89	48 - 116	4	33
Fluorene	0.020	U	4.00	2.75		ug/L		69	30 - 114	7	40
Indeno[1,2,3-cd]pyrene	0.022	U	4.00	3.89		ug/L		97	18 - 124	1	40
1-Methylnaphthalene	0.020	U	4.00	2.32		ug/L		58	27 - 105	4	45
2-Methylnaphthalene	0.016	U	4.00	2.53		ug/L		63	23 - 109	1	46
Naphthalene	0.020	U	4.00	2.29		ug/L		57	20 - 111	0	45
Phenanthrene	0.031	I	4.00	3.02		ug/L		75	38 - 116	0	37
Pyrene	0.090	I	4.00	3.40		ug/L		83	47 - 119	4	32

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl (Surr)	74		39 - 121

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 680-268130/9-A

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 268130

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		03/04/13 17:06	03/04/13 21:57	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		03/04/13 17:06	03/04/13 21:57	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Pentachloroethane	107		60 - 144	03/04/13 17:06	03/04/13 21:57	1

Lab Sample ID: LCS 680-268130/10-A

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 268130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Ethylene Dibromide	0.100	0.107		ug/L		107	66 - 126
1,2-Dibromo-3-Chloropropane	0.100	0.103		ug/L		103	70 - 148

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Pentachloroethane	108		60 - 144

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCSD 680-268130/11-A

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 268130

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	0.100	0.105		ug/L		105	66 - 126	2	30
1,2-Dibromo-3-Chloropropane	0.100	0.103		ug/L		103	70 - 148	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Pentachloroethane	108		60 - 144

Lab Sample ID: 660-52765-I-3-A MS

Matrix: Water

Analysis Batch: 268266

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 268130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.0022	U	0.103	0.107		ug/L		104	66 - 126
1,2-Dibromo-3-Chloropropane	0.0049	U	0.103	0.105		ug/L		102	70 - 148

Surrogate	MS %Recovery	MS Qualifier	Limits
Pentachloroethane	114		60 - 144

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 660-134877/1-A

Matrix: Water

Analysis Batch: 135004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 134877

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		02/27/13 09:37	03/01/13 14:13	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		02/27/13 09:37	03/01/13 14:13	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		02/27/13 09:37	03/01/13 14:13	1
Chlordane (technical)	0.057	U	0.50	0.057	ug/L		02/27/13 09:37	03/01/13 14:13	1
Chlorobenzilate	0.075	U	0.50	0.075	ug/L		02/27/13 09:37	03/01/13 14:13	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		02/27/13 09:37	03/01/13 14:13	1
4,4'-DDE	0.0055	U	0.050	0.0055	ug/L		02/27/13 09:37	03/01/13 14:13	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		02/27/13 09:37	03/01/13 14:13	1
delta-BHC	0.0028	U	0.050	0.0028	ug/L		02/27/13 09:37	03/01/13 14:13	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		02/27/13 09:37	03/01/13 14:13	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		02/27/13 09:37	03/01/13 14:13	1
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		02/27/13 09:37	03/01/13 14:13	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		02/27/13 09:37	03/01/13 14:13	1
Endrin	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 14:13	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		02/27/13 09:37	03/01/13 14:13	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		02/27/13 09:37	03/01/13 14:13	1
Heptachlor	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 14:13	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		02/27/13 09:37	03/01/13 14:13	1
Isodrin	0.0061	U	0.050	0.0061	ug/L		02/27/13 09:37	03/01/13 14:13	1
Methoxychlor	0.0051	U	0.050	0.0051	ug/L		02/27/13 09:37	03/01/13 14:13	1
Toxaphene	0.72	U	5.0	0.72	ug/L		02/27/13 09:37	03/01/13 14:13	1
Kepone	0.083	U	0.50	0.083	ug/L		02/27/13 09:37	03/01/13 14:13	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 660-134877/1-A

Matrix: Water

Analysis Batch: 135004

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 134877

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	51		30 - 150	02/27/13 09:37	03/01/13 14:13	1
Tetrachloro-m-xylene	67		30 - 150	02/27/13 09:37	03/01/13 14:13	1

Lab Sample ID: LCS 660-134877/2-A

Matrix: Water

Analysis Batch: 135004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	0.500	0.397		ug/L		79	56 - 130
beta-BHC	0.500	0.339		ug/L		68	52 - 130
4,4'-DDD	0.500	0.348		ug/L		70	51 - 130
4,4'-DDE	0.500	0.340		ug/L		68	50 - 130
4,4'-DDT	0.500	0.326		ug/L		65	46 - 130
delta-BHC	0.500	0.352		ug/L		70	42 - 130
Dieldrin	0.500	0.339		ug/L		68	51 - 130
Endosulfan I	0.500	0.258		ug/L		52	40 - 130
Endosulfan II	0.500	0.278		ug/L		56	48 - 130
Endosulfan sulfate	0.500	0.342		ug/L		68	43 - 130
Endrin	0.500	0.346		ug/L		69	53 - 130
Endrin aldehyde	0.500	0.358		ug/L		72	30 - 155
gamma-BHC (Lindane)	0.500	0.340		ug/L		68	55 - 130
Heptachlor	0.500	0.302		ug/L		60	38 - 130
Heptachlor epoxide	0.500	0.335		ug/L		67	53 - 130
Methoxychlor	0.500	0.340		ug/L		68	44 - 138

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	63		30 - 150
Tetrachloro-m-xylene	56		30 - 150

Lab Sample ID: LCS 660-134877/4-A

Matrix: Water

Analysis Batch: 135004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isodrin	0.500	0.391		ug/L		78	30 - 130
Kepone	0.500	0.083	U	ug/L		16	10 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	69		30 - 150
Tetrachloro-m-xylene	58		30 - 150

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52810-2 MS

Matrix: Water

Analysis Batch: 135004

Client Sample ID: LEACHATE SUMP 007

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Chlorobenzilate	0.075	U	4.85	3.83		ug/L		79		30 - 130
Isodrin	0.0061	U	0.485	0.379		ug/L		78		30 - 130
Kepone	0.083	U	0.485	0.123	I	ug/L		25		10 - 130
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl	18	J1	30 - 150							
DCB Decachlorobiphenyl	25	J1	30 - 150							
Tetrachloro-m-xylene	38		30 - 150							
Tetrachloro-m-xylene	59		30 - 150							

Lab Sample ID: 660-52854-A-1-B MSD

Matrix: Water

Analysis Batch: 135004

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
Aldrin	0.0017		0.485	0.355		ug/L		73		35 - 130	16	30
alpha-BHC	0.0027		0.485	0.452		ug/L		93		56 - 130	13	30
beta-BHC	0.0026		0.485	0.375		ug/L		77		52 - 130	13	30
4,4'-DDD	0.0039		0.485	0.398		ug/L		82		51 - 130	8	30
4,4'-DDE	0.0053		0.485	0.378		ug/L		78		50 - 130	9	30
4,4'-DDT	0.0031		0.485	0.379		ug/L		78		46 - 130	6	30
delta-BHC	0.0027		0.485	0.393		ug/L		81		42 - 130	12	30
Dieldrin	0.0013		0.485	0.382		ug/L		79		51 - 130	12	30
Endosulfan I	0.0033		0.485	0.283		ug/L		58		40 - 130	13	30
Endosulfan II	0.0032		0.485	0.313		ug/L		64		48 - 130	9	30
Endosulfan sulfate	0.0029		0.485	0.378		ug/L		78		43 - 130	5	30
Endrin	0.0030		0.485	0.392		ug/L		81		53 - 130	9	30
Endrin aldehyde	0.0031		0.485	0.392		ug/L		81		30 - 155	8	30
gamma-BHC (Lindane)	0.0025		0.485	0.377		ug/L		78		55 - 130	14	30
Heptachlor	0.0030		0.485	0.359		ug/L		74		38 - 130	13	30
Heptachlor epoxide	0.0030		0.485	0.371		ug/L		76		53 - 130	12	30
Methoxychlor	0.0049		0.485	0.396		ug/L		82		44 - 138	8	30
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	74		30 - 150									
Tetrachloro-m-xylene	71		30 - 150									

Lab Sample ID: 660-52810-3 DU

Matrix: Water

Analysis Batch: 135004

Client Sample ID: LEACHATE SUMP 009

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Aldrin	0.0017		0.0017	U	ug/L		NC	30
alpha-BHC	0.0027		0.0027	U	ug/L		NC	30
beta-BHC	0.0026		0.0026	U	ug/L		NC	30
Chlordane (technical)	0.055		0.055	U	ug/L		NC	30
Chlorobenzilate	0.073		0.073	U	ug/L		NC	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52810-3 DU

Matrix: Water

Analysis Batch: 135004

Client Sample ID: LEACHATE SUMP 009

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
4,4'-DDD	0.0040		0.0040	U	ug/L		NC	30
4,4'-DDE	0.0053		0.0053	U	ug/L		NC	30
4,4'-DDT	0.0031		0.0031	U	ug/L		NC	30
delta-BHC	0.0027		0.0027	U	ug/L		NC	30
Dieldrin	0.0014		0.0014	U	ug/L		NC	30
Endosulfan I	0.0033		0.0033	U	ug/L		NC	30
Endosulfan II	0.0032		0.0032	U	ug/L		NC	30
Endosulfan sulfate	0.0029		0.0029	U	ug/L		NC	30
Endrin	0.0030		0.0030	U	ug/L		NC	30
Endrin aldehyde	0.0031		0.0031	U	ug/L		NC	30
gamma-BHC (Lindane)	0.0025		0.0025	U	ug/L		NC	30
Heptachlor	0.0030		0.0030	U	ug/L		NC	30
Heptachlor epoxide	0.0030		0.0030	U	ug/L		NC	30
Isodrin	0.0059		0.0059	U	ug/L		NC	30
Methoxychlor	0.0050		0.0050	U	ug/L		NC	30
Toxaphene	0.70		0.70	U	ug/L		NC	30
Kepone	0.081		0.081	U	ug/L		NC	30

Surrogate	%Recovery	DU Qualifier	Limits
DCB Decachlorobiphenyl	39		30 - 150
Tetrachloro-m-xylene	59		30 - 150

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

Lab Sample ID: MB 660-134877/1-A

Matrix: Water

Analysis Batch: 134891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 134877

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.26	U	0.50	0.26	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1221	0.15	U	0.50	0.15	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1232	0.38	U	0.50	0.38	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1242	0.23	U	0.50	0.23	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1248	0.13	U	0.50	0.13	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1254	0.12	U	0.50	0.12	ug/L		02/27/13 09:37	02/27/13 15:00	1
PCB-1260	0.32	U	0.50	0.32	ug/L		02/27/13 09:37	02/27/13 15:00	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		30 - 150	02/27/13 09:37	02/27/13 15:00	1
Tetrachloro-m-xylene	70		30 - 150	02/27/13 09:37	02/27/13 15:00	1

Lab Sample ID: LCS 660-134877/3-A

Matrix: Water

Analysis Batch: 134891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
PCB-1016	5.00	3.86		ug/L		77	34 - 130

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCS 660-134877/3-A

Matrix: Water

Analysis Batch: 134891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	5.00	4.26		ug/L		85	45 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	87		30 - 150
Tetrachloro-m-xylene	72		30 - 150

Lab Sample ID: 660-52810-1 MS

Matrix: Water

Analysis Batch: 134977

Client Sample ID: LEACHATE SUMP 001

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.25	U	4.85	2.90		ug/L		60	34 - 130
PCB-1260	0.31	U	4.85	2.49		ug/L		51	45 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	25	J1	30 - 150
Tetrachloro-m-xylene	53		30 - 150

Lab Sample ID: 660-52810-3 DU

Matrix: Water

Analysis Batch: 134977

Client Sample ID: LEACHATE SUMP 009

Prep Type: Total/NA

Prep Batch: 134877

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
PCB-1016	0.25		0.25	U	ug/L		NC	34
PCB-1221	0.15		0.15	U	ug/L		NC	35
PCB-1232	0.37		0.37	U	ug/L		NC	35
PCB-1242	0.22		0.22	U	ug/L		NC	35
PCB-1248	0.13		0.13	U	ug/L		NC	30
PCB-1254	0.12		0.12	U	ug/L		NC	35
PCB-1260	0.31		0.31	U	ug/L		NC	34

Surrogate	DU %Recovery	DU Qualifier	Limits
DCB Decachlorobiphenyl	33		30 - 150
Tetrachloro-m-xylene	72		30 - 150

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 640-99712/1-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99712

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/26/13 14:23	03/01/13 12:53	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/26/13 14:23	03/01/13 12:53	1
Famphur	0.11	U	2.0	0.11	ug/L		02/26/13 14:23	03/01/13 12:53	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/26/13 14:23	03/01/13 12:53	1
Parathion	0.080	U	1.0	0.080	ug/L		02/26/13 14:23	03/01/13 12:53	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 640-99712/1-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 99712

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phorate	0.16	U	1.0	0.16	ug/L		02/26/13 14:23	03/01/13 12:53	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/26/13 14:23	03/01/13 12:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	101		37 - 139	02/26/13 14:23	03/01/13 12:53	1

Lab Sample ID: LCS 640-99712/10-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethoate	1.00	0.574	I	ug/L		57	50 - 130
Disulfoton	1.00	0.658	I	ug/L		66	50 - 130
Thionazin	1.00	0.860	I	ug/L		86	47 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	83		37 - 139

Lab Sample ID: LCS 640-99712/6-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Famphur	2.50	2.32		ug/L		93	50 - 130
Methyl parathion	2.50	2.65		ug/L		106	43 - 140
Parathion	2.50	2.75		ug/L		110	49 - 134
Phorate	2.50	1.99		ug/L		79	50 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	95		37 - 139

Lab Sample ID: LCSD 640-99712/11-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Dimethoate	1.00	0.524	I	ug/L		52	50 - 130	9	30
Disulfoton	1.00	0.679	I	ug/L		68	50 - 130	3	30
Thionazin	1.00	0.843	I	ug/L		84	47 - 134	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Triphenylphosphate	77		37 - 139

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: LCSD 640-99712/7-A

Matrix: Water

Analysis Batch: 99819

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Famphur	2.50	2.40		ug/L		96	50 - 130	3	30
Methyl parathion	2.50	2.63		ug/L		105	43 - 140	1	30
Parathion	2.50	2.87		ug/L		115	49 - 134	4	30
Phorate	2.50	2.05		ug/L		82	50 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Triphenylphosphate	97		37 - 139

Lab Sample ID: 660-52810-1 MS

Matrix: Water

Analysis Batch: 99819

Client Sample ID: LEACHATE SUMP 001

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Famphur	0.11	U	2.50	1.47	I	ug/L		59	50 - 130		
Methyl parathion	0.12	U	2.50	2.12		ug/L		85	32 - 137		
Parathion	0.080	U	2.50	2.14		ug/L		86	32 - 138		
Phorate	0.16	U	2.50	1.34		ug/L		54	50 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	63		37 - 139

Lab Sample ID: 660-52810-1 MSD

Matrix: Water

Analysis Batch: 99819

Client Sample ID: LEACHATE SUMP 001

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Famphur	0.11	U	2.50	1.63	I	ug/L		65	50 - 130	11	30
Methyl parathion	0.12	U	2.50	2.30		ug/L		92	32 - 137	8	48
Parathion	0.080	U	2.50	2.21		ug/L		89	32 - 138	3	44
Phorate	0.16	U	2.50	1.40		ug/L		56	50 - 130	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Triphenylphosphate	67		37 - 139

Lab Sample ID: 660-52810-2 MS

Matrix: Water

Analysis Batch: 99819

Client Sample ID: LEACHATE SUMP 007

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Dimethoate	0.32	U J3	1.00	0.538	I	ug/L		54	50 - 130		
Disulfoton	0.12	U	1.00	0.603	I	ug/L		60	50 - 130		
Thionazin	0.061	U	1.00	0.683	I	ug/L		68	30 - 155		

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	70		37 - 139

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 660-52810-2 MSD

Matrix: Water

Analysis Batch: 99819

Client Sample ID: LEACHATE SUMP 007

Prep Type: Total/NA

Prep Batch: 99712

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Dimethoate	0.32	U J3	1.00	0.476	I J3	ug/L		48	50 - 130	12	30
Disulfoton	0.12	U	1.00	0.632	I	ug/L		63	50 - 130	5	30
Thionazin	0.061	U	1.00	0.718	I	ug/L		72	30 - 155	5	30
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
Triphenylphosphate	69		37 - 139								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-267291/20-A

Matrix: Water

Analysis Batch: 268256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 267291

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-T	0.062	U	0.50	0.062	ug/L		02/25/13 08:03	03/02/13 06:38	1
2,4,5-T	0.062	U	0.50	0.062	ug/L		02/25/13 08:03	03/02/13 06:38	1
2,4-D	0.037	U	0.50	0.037	ug/L		02/25/13 08:03	03/02/13 06:38	1
2,4-D	0.037	U	0.50	0.037	ug/L		02/25/13 08:03	03/02/13 06:38	1
Dinoseb	0.16	U	6.0	0.16	ug/L		02/25/13 08:03	03/02/13 06:38	1
Dinoseb	0.16	U	6.0	0.16	ug/L		02/25/13 08:03	03/02/13 06:38	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		02/25/13 08:03	03/02/13 06:38	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		02/25/13 08:03	03/02/13 06:38	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2,4-Dichlorophenylacetic acid	99		52 - 151	02/25/13 08:03	03/02/13 06:38	1			
2,4-Dichlorophenylacetic acid	99		52 - 151	02/25/13 08:03	03/02/13 06:38	1			

Lab Sample ID: LCS 680-267291/21-A

Matrix: Water

Analysis Batch: 268256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 267291

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
2,4,5-T	2.00	1.43		ug/L		72	59 - 130
2,4,5-T	2.00	1.43		ug/L		72	59 - 130
2,4-D	2.00	1.64		ug/L		82	63 - 130
2,4-D	2.00	1.64		ug/L		82	63 - 130
Dinoseb	2.00	1.50	I	ug/L		75	10 - 130
Dinoseb	2.00	1.50	I	ug/L		75	10 - 130
Silvex (2,4,5-TP)	2.00	1.41		ug/L		70	64 - 130
Silvex (2,4,5-TP)	2.00	1.41		ug/L		70	64 - 130
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
2,4-Dichlorophenylacetic acid	88		52 - 151				
2,4-Dichlorophenylacetic acid	88		52 - 151				

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 450-9487-AG-1-A MS

Matrix: Water

Analysis Batch: 269120

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 267291

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
2,4,5-T	0.062	U	2.00	1.82		ug/L		91		59 - 130
2,4-D	0.037	U J3	2.00	1.65		ug/L		83		63 - 130
Dinoseb	0.16	U J3	2.00	1.23	I	ug/L		61		10 - 130
Silvex (2,4,5-TP)	0.062	U	2.00	1.74		ug/L		87		64 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	124		52 - 151

Lab Sample ID: 450-9487-AG-1-B MSD

Matrix: Water

Analysis Batch: 269120

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 267291

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
2,4,5-T	0.062	U	2.00	1.75		ug/L		88		59 - 130	4	50
2,4-D	0.037	U J3	2.00	1.19	J3	ug/L		59		63 - 130	33	50
Dinoseb	0.16	U J3	2.00	0.728	I J3	ug/L		36		10 - 130	51	50
Silvex (2,4,5-TP)	0.062	U	2.00	1.62		ug/L		81		64 - 130	7	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	118		52 - 151

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-267488/1-A

Matrix: Water

Analysis Batch: 267614

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 267488

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	2.3	U	5.0	2.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Barium	1.3	U	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/26/13 12:47	02/27/13 00:02	1
Chromium	2.5	U	5.0	2.5	ug/L		02/26/13 12:47	02/27/13 00:02	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/26/13 12:47	02/27/13 00:02	1
Copper	1.1	U	5.0	1.1	ug/L		02/26/13 12:47	02/27/13 00:02	1
Iron	33	U	100	33	ug/L		02/26/13 12:47	02/27/13 00:02	1
Lead	0.20	U	1.5	0.20	ug/L		02/26/13 12:47	02/27/13 00:02	1
Nickel	2.0	U	5.0	2.0	ug/L		02/26/13 12:47	02/27/13 00:02	1
Selenium	1.0	U	2.5	1.0	ug/L		02/26/13 12:47	02/27/13 00:02	1
Silver	0.25	U	1.0	0.25	ug/L		02/26/13 12:47	02/27/13 00:02	1
Sodium	0.25	U	0.50	0.25	mg/L		02/26/13 12:47	02/27/13 00:02	1
Thallium	0.50	U	1.0	0.50	ug/L		02/26/13 12:47	02/27/13 00:02	1
Tin	1.3	U	5.0	1.3	ug/L		02/26/13 12:47	02/27/13 00:02	1
Vanadium	3.8	U	10	3.8	ug/L		02/26/13 12:47	02/27/13 00:02	1
Zinc	8.3	U	20	8.3	ug/L		02/26/13 12:47	02/27/13 00:02	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 680-267488/1-A
Matrix: Water
Analysis Batch: 267613

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.25	U	0.50	0.25	ug/L		02/26/13 12:47	02/27/13 10:39	1

Lab Sample ID: LCS 680-267488/2-A
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	53.3		ug/L		107	75 - 125
Arsenic	100	110		ug/L		110	75 - 125
Barium	100	102		ug/L		102	75 - 125
Cadmium	50.0	53.8		ug/L		108	75 - 125
Chromium	100	101		ug/L		101	75 - 125
Cobalt	50.0	49.9		ug/L		100	75 - 125
Copper	100	102		ug/L		102	75 - 125
Iron	5000	5460		ug/L		109	75 - 125
Lead	50.0	47.8		ug/L		96	75 - 125
Nickel	100	101		ug/L		101	75 - 125
Selenium	100	111		ug/L		111	75 - 125
Silver	50.0	51.4		ug/L		103	75 - 125
Sodium	5.00	5.17		mg/L		103	75 - 125
Thallium	40.0	40.4		ug/L		101	75 - 125
Vanadium	100	99.6		ug/L		100	75 - 125
Zinc	100	116		ug/L		116	75 - 125

Lab Sample ID: LCS 680-267488/2-A
Matrix: Water
Analysis Batch: 267613

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	50.0	46.3		ug/L		93	75 - 125

Lab Sample ID: LCS 680-267488/3-A
Matrix: Water
Analysis Batch: 267651

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tin	200	188		ug/L		94	75 - 125

Lab Sample ID: 640-42360-L-1-B MS
Matrix: Water
Analysis Batch: 267614

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 267488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	52.6		ug/L		105	75 - 125
Arsenic	1.3	U	100	104		ug/L		104	75 - 125
Barium	8.9		100	108		ug/L		99	75 - 125
Cadmium	0.095	U	50.0	50.8		ug/L		102	75 - 125
Chromium	2.5	U	100	93.4		ug/L		93	75 - 125
Cobalt	0.15	U	50.0	46.6		ug/L		93	75 - 125

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: 640-42360-L-1-B MS

Matrix: Water

Analysis Batch: 267614

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 267488

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Copper	1.5	I	100	95.4		ug/L		94	75 - 125	
Iron	69	I	5000	5150		ug/L		102	75 - 125	
Lead	0.20	I	50.0	45.2		ug/L		90	75 - 125	
Nickel	2.0	U	100	93.8		ug/L		94	75 - 125	
Selenium	1.6	I	100	105		ug/L		104	75 - 125	
Silver	0.25	U	50.0	49.5		ug/L		99	75 - 125	
Sodium	4.0		5.00	8.48		mg/L		90	75 - 125	
Thallium	0.50	U	40.0	38.4		ug/L		96	75 - 125	
Tin	1.3	U J3	100	22.9	J3	ug/L		23	75 - 125	
Vanadium	4.3	I	100	95.8		ug/L		91	75 - 125	
Zinc	8.3	U	100	107		ug/L		107	75 - 125	

Lab Sample ID: 640-42360-L-1-B MS

Matrix: Water

Analysis Batch: 267613

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 267488

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits
Beryllium	0.25	U	50.0	47.9		ug/L		96	75 - 125	

Lab Sample ID: 640-42360-L-1-C MSD

Matrix: Water

Analysis Batch: 267614

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 267488

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	RPD	Limit
Antimony	2.3	U	50.0	58.4		ug/L		117	75 - 125		11	20
Arsenic	1.3	U	100	112		ug/L		112	75 - 125		7	20
Barium	8.9		100	112		ug/L		103	75 - 125		4	20
Cadmium	0.095	U	50.0	53.2		ug/L		106	75 - 125		5	20
Chromium	2.5	U	100	100		ug/L		100	75 - 125		7	20
Cobalt	0.15	U	50.0	48.9		ug/L		98	75 - 125		5	20
Copper	1.5	I	100	102		ug/L		101	75 - 125		7	20
Iron	69	I	5000	5600		ug/L		111	75 - 125		8	20
Lead	0.20	I	50.0	48.2		ug/L		96	75 - 125		7	20
Nickel	2.0	U	100	100		ug/L		100	75 - 125		7	20
Selenium	1.6	I	100	116		ug/L		115	75 - 125		10	20
Silver	0.25	U	50.0	51.8		ug/L		104	75 - 125		5	20
Sodium	4.0		5.00	9.20		mg/L		105	75 - 125		8	20
Thallium	0.50	U	40.0	41.3		ug/L		103	75 - 125		7	20
Tin	1.3	U J3	100	91.7	J3	ug/L		92	75 - 125		120	20
Vanadium	4.3	I	100	102		ug/L		97	75 - 125		6	20
Zinc	8.3	U	100	113		ug/L		113	75 - 125		6	20

Lab Sample ID: 640-42360-L-1-C MSD

Matrix: Water

Analysis Batch: 267613

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 267488

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	RPD	Limit
Beryllium	0.25	U	50.0	46.6		ug/L		93	75 - 125		3	20

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-267091/1-A

Matrix: Water

Analysis Batch: 267505

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 267091

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/13 10:09	02/26/13 12:50	1

Lab Sample ID: LCS 680-267091/2-A

Matrix: Water

Analysis Batch: 267505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 267091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.53		ug/L		101	80 - 120

Lab Sample ID: 660-52811-C-1-D MS

Matrix: Water

Analysis Batch: 267505

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 267091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.988		ug/L		99	80 - 120

Lab Sample ID: 660-52811-C-1-E MSD

Matrix: Water

Analysis Batch: 267505

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 267091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U	1.00	0.981		ug/L		98	80 - 120	1	20

Lab Sample ID: MB 680-267479/1-A

Matrix: Water

Analysis Batch: 267753

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 267479

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/26/13 12:24	02/27/13 18:28	1

Lab Sample ID: LCS 680-267479/2-A

Matrix: Water

Analysis Batch: 267753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 267479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.62		ug/L		105	80 - 120

Lab Sample ID: 680-87731-E-47-B MS

Matrix: Water

Analysis Batch: 267753

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 267479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.897		ug/L		90	80 - 120

Lab Sample ID: 680-87731-E-47-C MSD

Matrix: Water

Analysis Batch: 267753

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 267479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U	1.00	0.953		ug/L		95	80 - 120	6	20

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-267409/2
Matrix: Water
Analysis Batch: 267409

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/23/13 13:35	5

Lab Sample ID: LCS 680-267409/3
Matrix: Water
Analysis Batch: 267409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-267409/4
Matrix: Water
Analysis Batch: 267409

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
Chloride	50.0	49.7		mg/L		99	90 - 110	0	30

Lab Sample ID: 660-52805-F-1 MS
Matrix: Water
Analysis Batch: 267409

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	1300		500	1820		mg/L		101	90 - 110

Lab Sample ID: MB 680-267646/2
Matrix: Water
Analysis Batch: 267646

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0	U	5.0	1.0	mg/L			02/26/13 15:01	5

Lab Sample ID: LCS 680-267646/3
Matrix: Water
Analysis Batch: 267646

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.9		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-267646/4
Matrix: Water
Analysis Batch: 267646

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
Chloride	50.0	49.9		mg/L		100	90 - 110	0	30

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-87544-I-1 MS
 Matrix: Water
 Analysis Batch: 267646

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	19		50.0	69.5		mg/L		102	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-267533/12
 Matrix: Water
 Analysis Batch: 267533

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.026	U	0.050	0.026	mg/L			02/26/13 13:01	1

Lab Sample ID: LCS 680-267533/11
 Matrix: Water
 Analysis Batch: 267533

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	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: 660-52743-H-5 MS
 Matrix: Water
 Analysis Batch: 267533

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
Ammonia as N	0.12	J3	1.00	0.581	J3	mg/L		46	90 - 110

Lab Sample ID: 660-52743-H-5 MSD
 Matrix: Water
 Analysis Batch: 267533

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
Ammonia as N	0.12	J3	1.00	0.594	J3	mg/L		47	90 - 110	2	30

Lab Sample ID: 460-51026-G-1 DU
 Matrix: Water
 Analysis Batch: 267533

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	0.26		0.254		mg/L		0.6	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-134759/5
 Matrix: Water
 Analysis Batch: 134759

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/13 07:44	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: LCS 660-134759/6

Matrix: Water

Analysis Batch: 134759

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	0.954		mg/L		95	90 - 110
Nitrite as N	0.500	0.495	I	mg/L		99	90 - 110

Lab Sample ID: 660-52810-1 MS

Matrix: Water

Analysis Batch: 134759

Client Sample ID: LEACHATE SUMP 001

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		1.00	0.950		mg/L		95	90 - 110
Nitrite as N	0.10		0.500	0.520		mg/L		104	90 - 110

Lab Sample ID: 660-52810-1 MSD

Matrix: Water

Analysis Batch: 134759

Client Sample ID: LEACHATE SUMP 001

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		1.00	0.949		mg/L		95	90 - 110	0	30
Nitrite as N	0.10		0.500	0.524		mg/L		105	90 - 110	1	30

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 660-134893/1

Matrix: Water

Analysis Batch: 134893

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	1.0	U	1.0	1.0	mg/L			02/27/13 12:05	1

Lab Sample ID: LCS 660-134893/2

Matrix: Water

Analysis Batch: 134893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	94.4	95.6		mg/L		101	80 - 120

Lab Sample ID: 660-52810-1 DU

Matrix: Water

Analysis Batch: 134893

Client Sample ID: LEACHATE SUMP 001

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	2400		2410		mg/L		1	30

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

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

Lab Sample ID: MB 660-134802/1
Matrix: Water
Analysis Batch: 134802

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/25/13 10:20	1

Lab Sample ID: LCS 660-134802/2
Matrix: Water
Analysis Batch: 134802

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	10000		mg/L		100	80 - 120

Lab Sample ID: 660-52771-A-1 DU
Matrix: Water
Analysis Batch: 134802

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	680		780		mg/L		14	20

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 680-267296/1-A
Matrix: Water
Analysis Batch: 267366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267296

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		02/25/13 08:00	02/25/13 12:56	1

Lab Sample ID: LCS 680-267296/2-A
Matrix: Water
Analysis Batch: 267366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0508		mg/L		102	90 - 110

Lab Sample ID: 680-87686-D-1-B MS
Matrix: Water
Analysis Batch: 267366

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 267296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0025	U	0.0500	0.0512		mg/L		102	90 - 110

Lab Sample ID: 680-87686-D-1-C MSD
Matrix: Water
Analysis Batch: 267366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 267296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0025	U	0.0500	0.0512		mg/L		102	90 - 110	0	20

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: SM 4500 CN E - Cyanide, Total (Continued)

Lab Sample ID: 660-52840-A-4-B DU
 Matrix: Water
 Analysis Batch: 267366

Client Sample ID: Duplicate
 Prep Type: Total/NA
 Prep Batch: 267296

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

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 680-267360/1
 Matrix: Water
 Analysis Batch: 267360

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Sulfide	1.0	U	1.0	1.0	mg/L			02/25/13 13:23	1

Lab Sample ID: LCS 680-267360/2
 Matrix: Water
 Analysis Batch: 267360

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: LCSD 680-267360/3
 Matrix: Water
 Analysis Batch: 267360

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit

Lab Sample ID: 660-52810-1 DU
 Matrix: Water
 Analysis Batch: 267360

Client Sample ID: LEACHATE SUMP 001
 Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Sulfide	3.3		2.54		mg/L		25	30

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 660-134737/2 SCB
 Matrix: Water
 Analysis Batch: 134737

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

Analyte	SCB	SCB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/13 07:32	1

Lab Sample ID: USB 660-134737/1 USB
 Matrix: Water
 Analysis Batch: 134737

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

Analyte	USB	USB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/13 07:32	1

TestAmerica Tampa

QC Sample Results

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 660-134737/3

Matrix: Water

Analysis Batch: 134737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	191		mg/L		97	85 - 115

Lab Sample ID: 660-52810-3 DU

Matrix: Water

Analysis Batch: 134737

Client Sample ID: LEACHATE SUMP 009

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	62		61.7		mg/L		0.3	20

Method: SM 5220D - COD

Lab Sample ID: MB 680-267491/3

Matrix: Water

Analysis Batch: 267491

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	6.3	U	20	6.3	mg/L			02/26/13 13:07	1

Lab Sample ID: LCS 680-267491/4

Matrix: Water

Analysis Batch: 267491

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	100	94.7		mg/L		95	90 - 110

Lab Sample ID: 660-52743-I-2 MS

Matrix: Water

Analysis Batch: 267491

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
Chemical Oxygen Demand	61		100	161		mg/L		100	90 - 110

Lab Sample ID: 660-52743-I-2 MSD

Matrix: Water

Analysis Batch: 267491

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
Chemical Oxygen Demand	61		100	161		mg/L		100	90 - 110	0	30

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

GC/MS VOA

Analysis Batch: 134791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8260B	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8260B	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8260B	
660-52810-4	BLANK TRAVEL 52810	Total/NA	Water	8260B	
660-52843-B-6 MS	Matrix Spike	Total/NA	Water	8260B	
660-52843-C-3 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-134791/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-134791/7	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 99619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42390-F-1-A MS	Matrix Spike	Total/NA	Water	3520C	
640-42390-F-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	3520C	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	3520C	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	3520C	
LCS 640-99619/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-99619/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-99619/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 99723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	3520C	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	3520C	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	3520C	
660-52849-B-3-A MS	Matrix Spike	Total/NA	Water	3520C	
660-52849-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	
LCS 640-99723/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-99723/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-99723/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 99778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8270D LL	99723
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8270D LL	99723
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8270D LL	99723
660-52849-B-3-A MS	Matrix Spike	Total/NA	Water	8270D LL	99723
660-52849-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270D LL	99723
LCS 640-99723/2-A	Lab Control Sample	Total/NA	Water	8270D LL	99723
LCSD 640-99723/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	99723
MB 640-99723/1-A	Method Blank	Total/NA	Water	8270D LL	99723

Analysis Batch: 99806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42390-F-1-A MS	Matrix Spike	Total/NA	Water	8270C	99619
640-42390-F-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C	99619
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8270C	99619
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8270C	99619

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

GC/MS Semi VOA (Continued)

Analysis Batch: 99806 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8270C	99619
LCS 640-99619/2-A	Lab Control Sample	Total/NA	Water	8270C	99619
LCSD 640-99619/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	99619
MB 640-99619/1-A	Method Blank	Total/NA	Water	8270C	99619

GC Semi VOA

Prep Batch: 99712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	3520C	
660-52810-1 MS	LEACHATE SUMP 001	Total/NA	Water	3520C	
660-52810-1 MSD	LEACHATE SUMP 001	Total/NA	Water	3520C	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	3520C	
660-52810-2 MS	LEACHATE SUMP 007	Total/NA	Water	3520C	
660-52810-2 MSD	LEACHATE SUMP 007	Total/NA	Water	3520C	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	3520C	
LCS 640-99712/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 640-99712/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-99712/11-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 640-99712/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-99712/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 99819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8141A	99712
660-52810-1 MS	LEACHATE SUMP 001	Total/NA	Water	8141A	99712
660-52810-1 MSD	LEACHATE SUMP 001	Total/NA	Water	8141A	99712
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8141A	99712
660-52810-2 MS	LEACHATE SUMP 007	Total/NA	Water	8141A	99712
660-52810-2 MSD	LEACHATE SUMP 007	Total/NA	Water	8141A	99712
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8141A	99712
LCS 640-99712/10-A	Lab Control Sample	Total/NA	Water	8141A	99712
LCS 640-99712/6-A	Lab Control Sample	Total/NA	Water	8141A	99712
LCSD 640-99712/11-A	Lab Control Sample Dup	Total/NA	Water	8141A	99712
LCSD 640-99712/7-A	Lab Control Sample Dup	Total/NA	Water	8141A	99712
MB 640-99712/1-A	Method Blank	Total/NA	Water	8141A	99712

Prep Batch: 134877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	3510C	
660-52810-1 MS	LEACHATE SUMP 001	Total/NA	Water	3510C	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	3510C	
660-52810-2 MS	LEACHATE SUMP 007	Total/NA	Water	3510C	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	3510C	
660-52810-3 DU	LEACHATE SUMP 009	Total/NA	Water	3510C	
660-52854-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
LCS 660-134877/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-134877/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-134877/4-A	Lab Control Sample	Total/NA	Water	3510C	
MB 660-134877/1-A	Method Blank	Total/NA	Water	3510C	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

GC Semi VOA (Continued)

Analysis Batch: 134891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-134877/3-A	Lab Control Sample	Total/NA	Water	8082	134877
MB 660-134877/1-A	Method Blank	Total/NA	Water	8082	134877

Analysis Batch: 134977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8082	134877
660-52810-1 MS	LEACHATE SUMP 001	Total/NA	Water	8082	134877
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8082	134877
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8082	134877
660-52810-3 DU	LEACHATE SUMP 009	Total/NA	Water	8082	134877

Analysis Batch: 135004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8081A	134877
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8081A	134877
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8081A	134877
660-52810-2 MS	LEACHATE SUMP 007	Total/NA	Water	8081A	134877
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8081A	134877
660-52810-3 DU	LEACHATE SUMP 009	Total/NA	Water	8081A	134877
660-52854-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8081A	134877
LCS 660-134877/2-A	Lab Control Sample	Total/NA	Water	8081A	134877
LCS 660-134877/4-A	Lab Control Sample	Total/NA	Water	8081A	134877
MB 660-134877/1-A	Method Blank	Total/NA	Water	8081A	134877

Prep Batch: 267291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
450-9487-AG-1-A MS	Matrix Spike	Total/NA	Water	8151A	
450-9487-AG-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8151A	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8151A	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8151A	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8151A	
LCS 680-267291/21-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-267291/20-A	Method Blank	Total/NA	Water	8151A	

Prep Batch: 268130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-I-3-A MS	Matrix Spike	Total/NA	Water	8011	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8011	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8011	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8011	
LCS 680-268130/10-A	Lab Control Sample	Total/NA	Water	8011	
LCS 680-268130/11-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-268130/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 268256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8151A	267291
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8151A	267291
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8151A	267291
LCS 680-267291/21-A	Lab Control Sample	Total/NA	Water	8151A	267291
MB 680-267291/20-A	Method Blank	Total/NA	Water	8151A	267291

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

GC Semi VOA (Continued)

Analysis Batch: 268266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52765-I-3-A MS	Matrix Spike	Total/NA	Water	8011	268130
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	8011	268130
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	8011	268130
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	8011	268130
LCS 680-268130/10-A	Lab Control Sample	Total/NA	Water	8011	268130
LCS 680-268130/11-A	Lab Control Sample Dup	Total/NA	Water	8011	268130
MB 680-268130/9-A	Method Blank	Total/NA	Water	8011	268130

Analysis Batch: 269120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
450-9487-AG-1-A MS	Matrix Spike	Total/NA	Water	8151A	267291
450-9487-AG-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8151A	267291
LCS 680-267291/21-A	Lab Control Sample	Total/NA	Water	8151A	267291
MB 680-267291/20-A	Method Blank	Total/NA	Water	8151A	267291

Metals

Prep Batch: 267091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	7470A	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	7470A	
660-52811-C-1-D MS	Matrix Spike	Total/NA	Water	7470A	
660-52811-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-267091/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-267091/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 267479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	7470A	
680-87731-E-47-B MS	Matrix Spike	Total/NA	Water	7470A	
680-87731-E-47-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-267479/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-267479/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 267488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-52810-1	LEACHATE SUMP 001	Total Recoverable	Water	3005A	
660-52810-2	LEACHATE SUMP 007	Total Recoverable	Water	3005A	
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	3005A	
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 680-267488/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 267505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	7470A	267091
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	7470A	267091
660-52811-C-1-D MS	Matrix Spike	Total/NA	Water	7470A	267091

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Metals (Continued)

Analysis Batch: 267505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52811-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	267091
LCS 680-267091/2-A	Lab Control Sample	Total/NA	Water	7470A	267091
MB 680-267091/1-A	Method Blank	Total/NA	Water	7470A	267091

Analysis Batch: 267613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	267488
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267488
660-52810-1	LEACHATE SUMP 001	Total Recoverable	Water	6020A	267488
660-52810-2	LEACHATE SUMP 007	Total Recoverable	Water	6020A	267488
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	6020A	267488
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267488
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	6020A	267488

Analysis Batch: 267614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	267488
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267488
660-52810-1	LEACHATE SUMP 001	Total Recoverable	Water	6020A	267488
660-52810-1	LEACHATE SUMP 001	Total Recoverable	Water	6020A	267488
660-52810-2	LEACHATE SUMP 007	Total Recoverable	Water	6020A	267488
660-52810-2	LEACHATE SUMP 007	Total Recoverable	Water	6020A	267488
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	6020A	267488
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	6020A	267488
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	6020A	267488
LCS 680-267488/2-A	Lab Control Sample	Total Recoverable	Water	6020A	267488
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	6020A	267488

Analysis Batch: 267651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-42360-L-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	267488
640-42360-L-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	267488
660-52810-1	LEACHATE SUMP 001	Total Recoverable	Water	6020A	267488
660-52810-2	LEACHATE SUMP 007	Total Recoverable	Water	6020A	267488
660-52810-3	LEACHATE SUMP 009	Total Recoverable	Water	6020A	267488
LCS 680-267488/3-A	Lab Control Sample	Total Recoverable	Water	6020A	267488
MB 680-267488/1-A	Method Blank	Total Recoverable	Water	6020A	267488

Analysis Batch: 267753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	7470A	267479
680-87731-E-47-B MS	Matrix Spike	Total/NA	Water	7470A	267479
680-87731-E-47-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	267479
LCS 680-267479/2-A	Lab Control Sample	Total/NA	Water	7470A	267479
MB 680-267479/1-A	Method Blank	Total/NA	Water	7470A	267479

QC Association Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

General Chemistry

Analysis Batch: 134737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 5210B	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 5210B	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 5210B	
660-52810-3 DU	LEACHATE SUMP 009	Total/NA	Water	SM 5210B	
LCS 660-134737/3	Lab Control Sample	Total/NA	Water	SM 5210B	
SCB 660-134737/2 SCB	Method Blank	Total/NA	Water	SM 5210B	
USB 660-134737/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 134759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	353.2	
660-52810-1 MS	LEACHATE SUMP 001	Total/NA	Water	353.2	
660-52810-1 MSD	LEACHATE SUMP 001	Total/NA	Water	353.2	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	353.2	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	353.2	
LCS 660-134759/6	Lab Control Sample	Total/NA	Water	353.2	
MB 660-134759/5	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 134802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52771-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 2540C	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 2540C	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 2540C	
LCS 660-134802/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-134802/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 134893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 2320B	
660-52810-1 DU	LEACHATE SUMP 001	Total/NA	Water	SM 2320B	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 2320B	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 2320B	
LCS 660-134893/2	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 660-134893/1	Method Blank	Total/NA	Water	SM 2320B	

Prep Batch: 267296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	Distill/CN	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	Distill/CN	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	Distill/CN	
660-52840-A-4-B DU	Duplicate	Total/NA	Water	Distill/CN	
680-87686-D-1-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
680-87686-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	
LCS 680-267296/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 680-267296/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 267360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 4500 S2 F	
660-52810-1 DU	LEACHATE SUMP 001	Total/NA	Water	SM 4500 S2 F	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

General Chemistry (Continued)

Analysis Batch: 267360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 4500 S2 F	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 4500 S2 F	
LCS 680-267360/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 680-267360/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	
MB 680-267360/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 267366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 4500 CN E	267296
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 4500 CN E	267296
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 4500 CN E	267296
660-52840-A-4-B DU	Duplicate	Total/NA	Water	SM 4500 CN E	267296
680-87686-D-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	267296
680-87686-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	267296
LCS 680-267296/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	267296
MB 680-267296/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	267296

Analysis Batch: 267409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52805-F-1 MS	Matrix Spike	Total/NA	Water	300.0	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	300.0	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	300.0	
LCS 680-267409/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267409/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267409/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 267491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52743-I-2 MS	Matrix Spike	Total/NA	Water	SM 5220D	
660-52743-I-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	SM 5220D	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	SM 5220D	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	SM 5220D	
LCS 680-267491/4	Lab Control Sample	Total/NA	Water	SM 5220D	
MB 680-267491/3	Method Blank	Total/NA	Water	SM 5220D	

Analysis Batch: 267533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-51026-G-1 DU	Duplicate	Total/NA	Water	350.1	
660-52743-H-5 MS	Matrix Spike	Total/NA	Water	350.1	
660-52743-H-5 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	350.1	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	350.1	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	350.1	
LCS 680-267533/11	Lab Control Sample	Total/NA	Water	350.1	
MB 680-267533/12	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 267646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	300.0	
680-87544-I-1 MS	Matrix Spike	Total/NA	Water	300.0	

TestAmerica Tampa

QC Association Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

General Chemistry (Continued)

Analysis Batch: 267646 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-267646/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-267646/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-267646/2	Method Blank	Total/NA	Water	300.0	

Field Service / Mobile Lab

Analysis Batch: 134746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-52810-1	LEACHATE SUMP 001	Total/NA	Water	Field Sampling	
660-52810-2	LEACHATE SUMP 007	Total/NA	Water	Field Sampling	
660-52810-3	LEACHATE SUMP 009	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 001

Lab Sample ID: 660-52810-1

Date Collected: 02/20/13 14:45

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134791	02/24/13 04:32	EC	TAL TAM
Total/NA	Prep	3520C			99723	02/26/13 18:08	JS	TAL TAL
Total/NA	Analysis	8270D LL		1	99778	02/28/13 18:40	MF	TAL TAL
Total/NA	Prep	3520C			99619	02/22/13 14:39	JS	TAL TAL
Total/NA	Analysis	8270C		1	99806	02/28/13 16:58	VW	TAL TAL
Total/NA	Prep	3520C			99712	02/26/13 14:23	JS	TAL TAL
Total/NA	Analysis	8141A		1	99819	03/01/13 13:07	MLT	TAL TAL
Total/NA	Prep	3510C			134877	02/27/13 09:37	AG	TAL TAM
Total/NA	Analysis	8082		1	134977	03/01/13 15:56	JB	TAL TAM
Total/NA	Analysis	8081A		1	135004	03/01/13 15:38	JB	TAL TAM
Total/NA	Analysis	8081A		1	135004	03/01/13 16:45	JB	TAL TAM
Total/NA	Prep	8151A			267291	02/25/13 08:03	CTR	TAL SAV
Total/NA	Analysis	8151A		5	268256	03/02/13 07:26	SMP	TAL SAV
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:48	JEM	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 12:25	BR	TAL SAV
Total Recoverable	Analysis	6020A		20	267614	02/27/13 11:49	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 01:43	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267651	02/27/13 01:43	BR	TAL SAV
Total/NA	Prep	7470A			267479	02/26/13 12:24	UU	TAL SAV
Total/NA	Analysis	7470A		1	267753	02/27/13 18:33	BCB	TAL SAV
Total/NA	Analysis	SM 5210B		1	134737	02/22/13 07:32	AG	TAL TAM
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	SM 2320B		1	134893	02/27/13 12:05	RWF	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	267360	02/25/13 13:23	AJO	TAL SAV
Total/NA	Prep	Distill/CN			267296	02/25/13 08:00	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	267366	02/25/13 13:06	DAM	TAL SAV
Total/NA	Analysis	300.0		100	267409	02/23/13 17:06	PAT	TAL SAV
Total/NA	Analysis	SM 5220D		1	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	350.1		500	267533	02/26/13 15:33	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 14:45		TAL TAM

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134791	02/24/13 04:49	EC	TAL TAM
Total/NA	Prep	3520C			99723	02/26/13 18:08	JS	TAL TAL
Total/NA	Analysis	8270D LL		1	99778	02/28/13 18:59	MF	TAL TAL

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 007

Lab Sample ID: 660-52810-2

Date Collected: 02/20/13 16:00

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			99619	02/22/13 14:39	JS	TAL TAL
Total/NA	Analysis	8270C		1	99806	02/28/13 17:24	VW	TAL TAL
Total/NA	Prep	3520C			99712	02/26/13 14:23	JS	TAL TAL
Total/NA	Analysis	8141A		1	99819	03/01/13 13:22	MLT	TAL TAL
Total/NA	Prep	3510C			134877	02/27/13 09:37	AG	TAL TAM
Total/NA	Analysis	8082		1	134977	03/01/13 15:10	JB	TAL TAM
Total/NA	Analysis	8081A		1	135004	03/01/13 15:52	JB	TAL TAM
Total/NA	Prep	8151A			267291	02/25/13 08:03	CTR	TAL SAV
Total/NA	Analysis	8151A		5	268256	03/02/13 07:42	SMP	TAL SAV
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:56	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:25	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 12:29	BR	TAL SAV
Total Recoverable	Analysis	6020A		20	267614	02/27/13 11:55	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 01:50	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267651	02/27/13 01:50	BR	TAL SAV
Total/NA	Analysis	SM 5210B		1	134737	02/22/13 07:32	AG	TAL TAM
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	SM 2320B		1	134893	02/27/13 12:05	RWF	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	267360	02/25/13 13:23	AJO	TAL SAV
Total/NA	Prep	Distill/CN			267296	02/25/13 08:00	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	267366	02/25/13 13:10	DAM	TAL SAV
Total/NA	Analysis	300.0		200	267409	02/23/13 17:18	PAT	TAL SAV
Total/NA	Analysis	SM 5220D		10	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	350.1		500	267533	02/26/13 15:33	RW	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 16:00		TAL TAM

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134791	02/24/13 05:07	EC	TAL TAM
Total/NA	Prep	3520C			99723	02/26/13 18:08	JS	TAL TAL
Total/NA	Analysis	8270D LL		1	99778	02/28/13 19:18	MF	TAL TAL
Total/NA	Prep	3520C			99619	02/22/13 14:39	JS	TAL TAL
Total/NA	Analysis	8270C		1	99806	02/28/13 17:54	VW	TAL TAL
Total/NA	Prep	3520C			99712	02/26/13 14:23	JS	TAL TAL
Total/NA	Analysis	8141A		1	99819	03/01/13 13:37	MLT	TAL TAL

TestAmerica Tampa

Lab Chronicle

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Client Sample ID: LEACHATE SUMP 009

Lab Sample ID: 660-52810-3

Date Collected: 02/20/13 15:30

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			134877	02/27/13 09:37	AG	TAL TAM
Total/NA	Analysis	8082		1	134977	03/01/13 15:25	JB	TAL TAM
Total/NA	Analysis	8081A		1	135004	03/01/13 16:05	JB	TAL TAM
Total/NA	Prep	8151A			267291	02/25/13 08:03	CTR	TAL SAV
Total/NA	Analysis	8151A		5	268256	03/02/13 07:58	SMP	TAL SAV
Total/NA	Prep	8011			268130	03/04/13 17:06	JEM	TAL SAV
Total/NA	Analysis	8011		1	268266	03/04/13 23:39	JEM	TAL SAV
Total/NA	Prep	7470A			267091	02/22/13 10:09	UU	TAL SAV
Total/NA	Analysis	7470A		1	267505	02/26/13 13:27	BCB	TAL SAV
Total Recoverable	Prep	3005A			267488	02/26/13 12:47	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	267613	02/27/13 12:33	BR	TAL SAV
Total Recoverable	Analysis	6020A		2	267614	02/27/13 12:02	BR	TAL SAV
Total Recoverable	Analysis	6020A		20	267614	02/27/13 12:09	BR	TAL SAV
Total Recoverable	Analysis	6020A		1	267614	02/27/13 01:56	BR	TAL SAV
Total Recoverable	Analysis	6020A		2	267651	02/27/13 12:02	BR	TAL SAV
Total/NA	Analysis	SM 5210B		1	134737	02/22/13 07:32	AG	TAL TAM
Total/NA	Analysis	353.2		1	134759	02/22/13 07:44	RWF	TAL TAM
Total/NA	Analysis	SM 2540C		1	134802	02/25/13 10:20	TO	TAL TAM
Total/NA	Analysis	SM 2320B		1	134893	02/27/13 12:05	RWF	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	267360	02/25/13 13:23	AJO	TAL SAV
Total/NA	Prep	Distill/CN			267296	02/25/13 08:00	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	267366	02/25/13 13:11	DAM	TAL SAV
Total/NA	Analysis	SM 5220D		10	267491	02/26/13 13:07	TAR	TAL SAV
Total/NA	Analysis	350.1		500	267533	02/26/13 15:34	RW	TAL SAV
Total/NA	Analysis	300.0		500	267646	02/26/13 19:40	PAT	TAL SAV
Total/NA	Analysis	Field Sampling		1	134746	02/20/13 15:30		TAL TAM

Client Sample ID: BLANK TRAVEL 52810

Lab Sample ID: 660-52810-4

Date Collected: 02/20/13 14:40

Matrix: Water

Date Received: 02/20/13 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	134791	02/24/13 03:56	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

Method Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL TAL
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL TAL
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SAV
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 SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
353.2	Nitrate	MCAWW	TAL TAM
SM 2320B	Alkalinity	SM	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 SAV
SM 5210B	BOD, 5-Day	SM	TAL TAM
SM 5220D	COD	SM	TAL SAV
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

Certification Summary

Client: Hillsborough County Public Utilities Dep
 Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	03-31-13
A2LA	ISO/IEC 17025		399.01	03-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	03-31-13
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13

TestAmerica Tampa

Certification Summary

Client: Hillsborough County Public Utilities Dep
Project/Site: Leachate Sump Samples

TestAmerica Job ID: 660-52810-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-13
Louisiana	NELAP	6	30663	06-30-13
New Jersey	NELAP	2	FL012	06-30-13
Texas	NELAP	6	T104704459-11-2	03-31-13
USDA	Federal		P330-08-00158	08-05-14

660-52810

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. 2-18-13 9:40

LOCATION: Leachate Sump 001 WACS# 919 (February Only)

SAMPLE MATRIX: WATER OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE

COLLECTION A. Balloon JF

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB JF</u>	<u>2:45</u>	<u>36.5</u>	<u>15064</u>	<u>7.08</u>	<u>.11</u>	<u>72.5</u>

COLORS & SHEENS: YES YELLOW NO

SHEENS

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>3</u>	250 ml. PLASTIC	<u>6</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	
<u>12</u>	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

28 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME

2-20-13 | 2:45

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

BOD5 COD Parameters LISTED IN 40 CFR PART 258, APPENDIX II

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 2-20-13 | 9:40

ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-20-13 | 4:40

COMMENTS: W0 # 0074 net Jfo 1800 2/20/13

Recd Carol McMillan 2/20/13 1800

1.1, 3.6, 4.0, 5.0°C (u-07)

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. 2-18-13 | 9:40

LOCATION: Leachate Sump 007 WACS# 20495 (February Only)

SAMPLE MATRIX: WATER OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE

COLLECTION A. Balloon

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>AB</u>	<u>4:00</u>	<u>29.9</u>	<u>19518</u>	<u>6.45</u>	<u>2.62</u>	<u>312</u>

COLORS & SHEENS: BROWN SHEENS NO

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>3</u>	250 ml. PLASTIC	<u>6</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	
<u>12</u>	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

28 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 4:00

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

BOD5 COD Parameters LISTED IN 40 CFR PART 258, APPENDIX II

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

ABOVE LISTED SAMPLES:

RELINQUISHED BY: AB

REP. OF SOLID WASTE DEPT. 2-20-13 4:40

ACCEPTED BY: AB

REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENTS: NO #0074 rel fine 1800 2/20/13
Bea Carol Mc hilly 2/20/13 1800

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: AS

REP. OF SOLID WASTE DEPT. 2-18-13 9:40

LOCATION: Leachate Sump 009 WACS# 22599 (February Only)

SAMPLE MATRIX: WATER OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE

COLLECTION A. Balloon

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>ADJ</u>	<u>3:30</u>	<u>23.9</u>	<u>31529</u>	<u>6.27</u>	<u>3.86</u>	<u>87.3</u>

COLORS & SHEENS: YELLOW NO
SHEENS

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
<u>3</u>	40 ml VIAL	<u>3</u>	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
<u>3</u>	250 ml. PLASTIC	<u>6</u>	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
<u>6</u>	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
<u>12</u>	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

28 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
 DATE | TIME
2-20-13 3:30

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

BOD5 COD Parameters LISTED IN 40 CFR 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: AS REP. OF SOLID WASTE DEPT. 2-20-13

ACCEPTED BY: AS REP. OF CONTRACT LAB. 2-20-13

COMMENT'S: wat # 0074 rel file 1800 2/20/13
Reed Canal Mully 2/20/13 1850

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

BLANK, TRAVEL

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-18-13 9:40

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

PERSONAL ENGAGED IN SAMPLE COLLECTION: A. Balloon JF

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
				DATE	TIME
<u>2</u>	<u>VOC</u>	<u>1:1 HCL</u>	<u>2-40 ml. SEPTUM VIAL</u>	<u>2-20-13</u>	<u>2:40</u>
<u>2</u>	TOTAL No. OF SAMPLES COLLECTED:				

ANALYSIS REQUESTED:

EPA 8260

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. 2-20-13 4:40

ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-20-13 4:40

COMMENTS: re 1/7/12 1800 2/20/13
Pred low level in well 2/20/13 1800

TestAmerica Tampa
 6712 Benjamin Rd., Ste. 100
 Tampa, FL 33634
GRAB & COMPOSITE LOGBOOK

Initials: JA

Site Name: HCSW/SECP

Equipment Numbers / Descriptions: 1/5E 550

Meter Numbers: clarks meters csa

Collection Devices: grab

Grab Samples:

Sample ID:	Date	Time	Depth (ft)	pH (SU)	Temp (°C)	DO (mg/L)	Cond. (umhos/cm)	Turb. (NTU)
Samp 1	2/20/13	1445	1-2 ^{ft}	7.08	30.5	1.1	15064	72.5
Sump 9	L	1530	lake	6.27	23.9	3.80	31529	87.3
Sump 7	L	1600	lake	6.45	29.9	2.62	19518	312

Composite Samples:

Sample ID:	Date Started	Time
	Date Ended	Time

Sample ID:	Date Started	Time
	Date Ended	Time

Site Description / Comments: _____

Client Information (Sub Contract Lab)	Client Contact: Shipping/Receiving	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-52810-1
Company: TestAmerica Laboratories, Inc.	Address: 2946 Industrial Plaza Drive, Tallahassee, FL 32301	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: 1 of 1
Due Date Requested: 2/26/2013	TAT Requested (days):	PO #:	W/O #:	Job #:	Page: 1 of 1
Project Name: SELF MWs, SS, Private Wells, NPDES	Project #: 66003915	SSOW#:	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anhydrous H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsN3O2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
LEACHATE SUMP 001 (660-52810-1)	2/20/13	14:45	Eastern	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8141A/3520C Appendix II OP Pesticides 8270C/3520C Appendix II Semivolatiles 8270D_LL/3520C PAH list	6	
LEACHATE SUMP 007 (660-52810-2)	2/20/13	16:00	Eastern	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		6	
LEACHATE SUMP 009 (660-52810-3)	2/20/13	15:30	Eastern	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		6	

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client
 Disposal By Lab
 Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit, Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	2-21-13	1530	
Relinquished by: <i>[Signature]</i>	Date/Time:	Received by: <i>[Signature]</i>	Date/Time: 2/22/13
Relinquished by:	Date/Time:	Received by:	Date/Time:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 13, 1.5	

TestAmerica Tampa
 6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Lab Pw: Robertson, Nancy		Carrier Tracking No(s):	
Client Contact: Shipping/Receiving		E-Mail: nancy.robertson@testamericainc.com		COC No: 660-53289-1	
Company: TestAmerica Laboratories, Inc.		Address: 5102 LaRoche Avenue, Savannah, GA, 31404		Page: 1 of 1	
Project Name: SELF MWs, SS, Private Wells, NPDES		Site: Southeast Landfill		Job #: 660-52810-1	
Due Date Requested: 2/27/2013		TAT Requested (days):		Preservation Codes:	
PO #:		WO #:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project #: 66003915		SSOW#:		M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)	
Sample Identification - Client ID (Lab ID)		Field Filtered Sample (Yes or No)		Special Instructions/Note:	
LEACHATE SUMP 001 (660-52810-1)	Sample Date: 2/20/13	Sample Time: 14:45 Eastern	Matrix: Water	5220D/ COD	X
LEACHATE SUMP 007 (660-52810-2)	Sample Date: 2/20/13	Sample Time: 16:00 Eastern	Matrix: Water	5011/8011_Prep EDB, BCP	X
LEACHATE SUMP 009 (660-52810-3)	Sample Date: 2/20/13	Sample Time: 15:30 Eastern	Matrix: Water	300.0_28D/ Chloride	X
				7470A/7470A_Prep Mercury	X
				4500_CN_EDistill_CN Cyanide, Total	X
				6020A/3005A AP II + FE NA	X
				8151A/8151A_AP Appendix II Herbicides	X
Possible Hazard Identification		Perform MS/MSD (Yes or No)		Total Number of Containers	
Unconfirmed		X		12	
Deliverable Requested: I, II, III, IV, Other (specify)				12	
Empty Kit Relinquished by:				12	
Relinquished by:					
Date: 2/21/2013					
Company: JPA TPA					
Date/Time: 2/21/2013 16:00					
Date/Time:					
Date/Time:					
Date/Time:					
Custody Seal No.:					
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Cooler Temperature(s) °C and Other Remarks:				9/20	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Method of Shipment: _____
 Received by: _____
 Date/Time: 2/21/2013 0810
 Company: _____
 Received by: _____
 Date/Time: _____
 Company: _____
 Received by: _____
 Date/Time: _____
 Company: _____



Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-52810-1

Login Number: 52810

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 660-52810-1

Login Number: 52810

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

List Creation: 02/22/13 08:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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: 660-52810-1

Login Number: 52810

List Number: 1

Creator: Delp, Eric

List Source: TestAmerica Tallahassee

List Creation: 02/22/13 01:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

