Hillsborough County
Florida

ANALYTICAL DATA REPORT
MAY 2012

SOUTHEAST COUNTY LANDFILL SITE
HILLSBOROUGH COUNTY, FLORIDA
Permit No. 35435-014-SO/01

Hillsborough County
Public Utilities Department
Environmental Services
332 North Falkenburg Road
Tampa, Florida 33619

August 3, 2012

DEP Form # 62-522.900(2)
Form Title Ground Water Monitoring Report
Effective Date
DEP Application No.

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Dept of Environmental Protection

AUG 13 2012

Southwest District

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) 272-5977 x 43944

(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: 8/3/2012 David S. Adams

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

Hillsborough County
Florida

Office of the County Administrator
Michael S. Merrill

August 3, 2012

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 – May 2012

Dear Mr. Morris:

In accordance with the above-referenced permit, the Hillsborough County Public Utilities Department (County) is pleased to provide the May 2012 Analytical Data Report (ADR) for the water quality monitoring event conducted at the Southeast County Landfill (SCLF).
A total of fifteen (15) monitoring wells and four private supply wells were sampled on May 14-16, 2012 by the County's Field Sampling Team and analyzed by our contracted laboratory, Test America, Inc. One surficial aquifer, TH-68 was not sampled during this event due to the lack of water in the well, which was likely due to the drought conditions present throughout the region during the spring months.

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 4.35 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 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 0.32 to 79.4 Nephelometric Turbidity Units (NTU). Over the past two years, surficial aquifer detection monitoring well, TH-70A well has been observed to have a problem with what appears to be an iron bacteria slime. Prior to the May 2012 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, and potable water was used to help clean and flush the well. The monitoring well was extensively purged and redeveloped utilizing an electric typhoon pump until the discharge appeared clean and clear. It is believed that poor quality fill material was utilized for construction in the down gradient areas of Section 9, and that is driving the iron bacteria in the well. This problem will likely persist, so the County plans on performing this work prior to future sampling events.

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. During the period of February 2012 through April 2012, turbidity measurements were recorded and a table of the recorded values is provided within this report. No violations of the compliance value of 29 NTU over the background upstream values were observed at our surface water discharge point, 3C2, during this quarter. Based on the surface water quality observed during the quarter, the storm water controls employed on-site appear to remain effective.

GENERAL PARAMETERS

Total Alpha and Radium 226/228

The Weeks' private supply well exhibited a concentration of radium 226/228 at 11.5 picocuries per liter pCi/L which is above the Primary Drinking Water Standard (PDWS) of 5 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, is clearly not attributable to the landfill. As previously discussed, they are likely naturally occurring within the production zones contributing to the well, and/or a result of the past strip mining activities conducted in the southeast Hillsborough County area.

Total Dissolved Solids (TDS)

Over the period of record the TDS values across the site have consistently been observed under the SDWS of 500 mg/l. However, as demonstrated by the data from the Initial Assessment Monitoring Plan (IAMP) sampling events early in 2012, TDS values above the SDWS were observed in wells in close proximity to the sinkhole. These observations were likely attributable to impacts from the sinkhole, and more specifically the grout materials/fluids injected into the subsurface to stabilize the area just prior to these observations. The TDS values in these wells have exhibited a downward trend and are currently all below the SDWS.

Total Ammonia

Surficial aquifer detection groundwater monitoring well TH-28A exhibited a total ammonia concentration of 3.2 mg/l which is above the GCTL of 2.8 mg/l. As part of the Initial Assessment Monitoring Plan (IAMP), this well is monitored monthly for total ammonia which have been consistently observed below the GCTL. However, as demonstrated by the IAMP sampling events, the total ammonia values have been increasing over the past 3 months at this location, which is in close proximity to the sinkhole. These increases are likely attributable to the grout materials/fluids injected into the subsurface to stabilize the sinkhole area.

METALS

Arsenic

Arsenic was observed above the PDWS of 0.01 mg/l in surficial aquifer detection monitoring well TH-58. This well exhibited a concentration of 0.025 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 past ten plus years of monitoring. Based the consistent concentration of arsenic, even with other changes in water quality attributable to the grouting of the subsurface at the sinkhole, the County maintains the position that the arsenic is naturally occurring within the soils surrounding the well and is being mobilized within the anaerobic environment below the lined landfill.

Iron

Iron concentrations in ten (10) of the thirteen (13) surficial aquifer detection and background water quality monitoring wells sampled were observed above the SDWS of 0.3 mg/l. The concentrations of iron ranged from 0.32 mg/l to 29 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 are currently observed in TH-69A, TH-70A, and TH-71A at 11 mg/l, 16 mg/l, and 29 mg/l, respectively. The iron concentrations along the northwest side of Section 9 have been elevated from the initial sampling event, conducted prior to waste filling. The iron is likely attributable to the imported soils placed 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 is not the landfill.

The private supply wells owned by Weeks and Holland exhibited concentrations of iron above the SDWS with concentrations of 0.46 mg/l and 1.7 mg/l, respectively. Concentrations of iron within these wells are consistently above the SDWS, and the County maintains the position that the iron is naturally occurring within the production zones of the upper Floridan aquifer at these specific locations. 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.

SURFACE WATER SAMPLING LOCATIONS

The County intended to collect surface water samples from the permit required locations during this sampling event because of the dry weather conditions experienced in February 2012. However, the surface water sites in the tributary to Long Flat Creek did not have any water present, so 3C2 was not sampled. The sample location at Mine Cut #1 was dry as well, and no sample could be collected there. In the future, the Sample Team will move to an area where the surface water is accessible and collect a sample from the Mine Cut. The County will collect surface water samples at all locations during the August 2012 quarterly 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 utilized to prepare an elevation and contour diagram to evaluate the general direction of groundwater flow across the site. The general direction of flow remains 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 concentrations of pH, arsenic and iron that are not within their applicable standards, but these constituents have been attributed to sources other than the landfill or are in close proximity to the sinkhole. The total ammonia impacts observed in TH-28 are likely the effect of the grouting of the sinkhole and the County will continue to closely monitor the water quality at this location.

The upper Floridan aquifer monitoring wells continue to exhibit water quality within all applicable standards except for pH in TH-40, and the private supply wells do not appear to exhibit any impacts attributable to the landfill. No impacts to any of the upper Floridan monitoring wells from the sinkhole or the grouting activities has been observed to date.

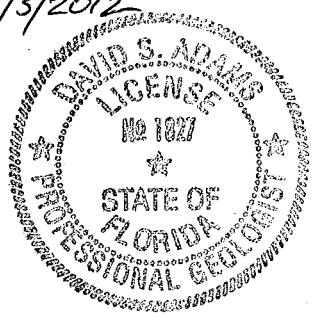
Enclosed for your review is a detailed site location map, the data summary tables for the groundwater monitoring wells, private supply wells, and turbidity monitoring of the tributary to Long Flat Creek. This report also provides a groundwater elevation data summary table, a surficial aquifer groundwater 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. The next quarterly sampling event will be conducted in August 2012.

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) 272-5977 extension 43944 or via e-mail at *adamsds@hillsboroughcounty.org*.

Respectfully submitted,

David S. Adams 8/3/2012

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



DSA/mdt
xc: Patricia Berry, Group Manager, Solid Waste Operations
Beth Schinella, Section Manager, Environmental Services
Larry Ruiz, GM III, Solid Waste Operations
Megan Miller, P.E. I, 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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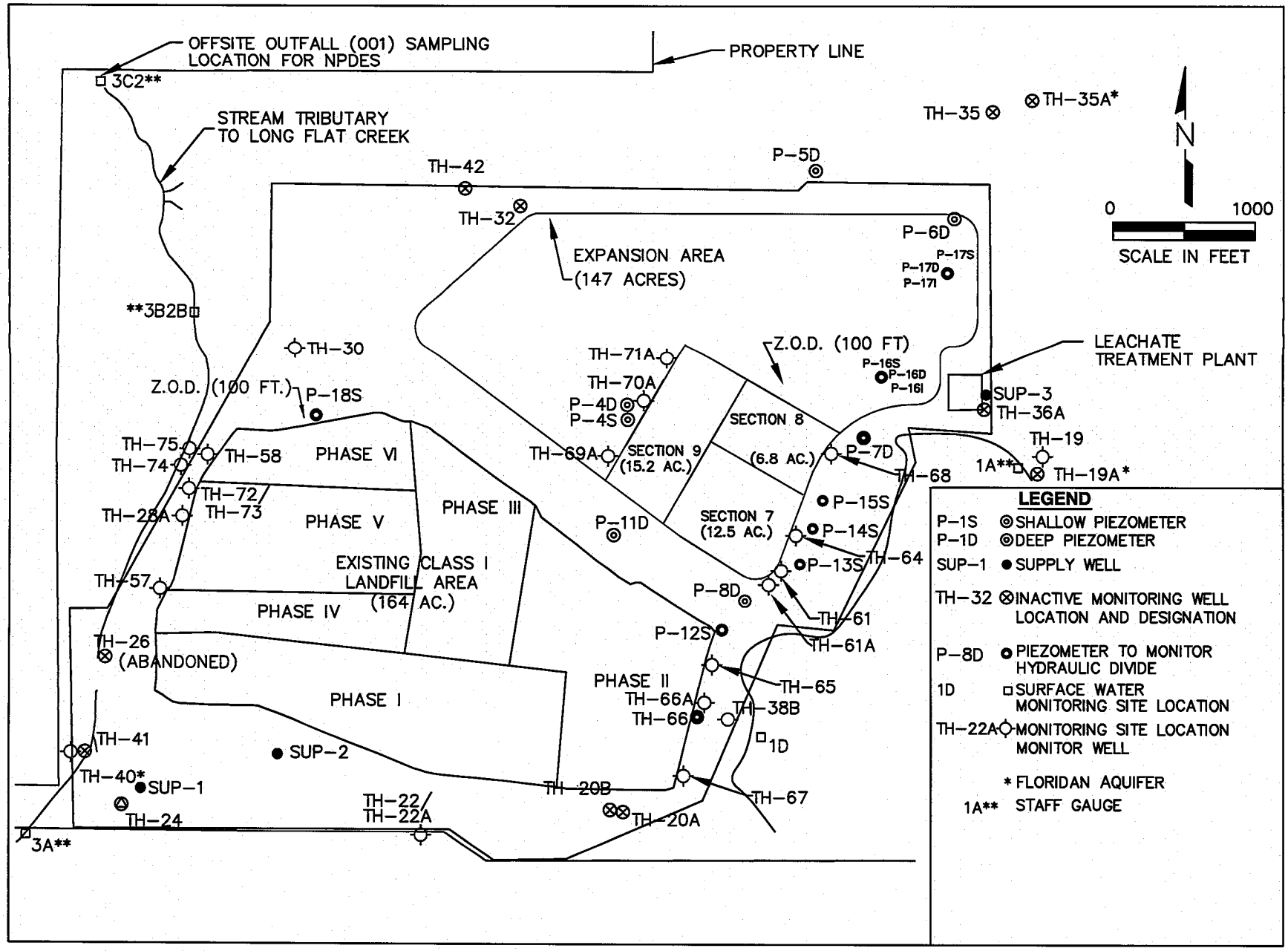

Site Map

Southeast County Landfill Facility, Hillsborough County, Florida

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill (Phases 1-6)
May 14-16, 2012

GENERAL (mg/l)	Floridan Aquifer		Surficial Aquifer Wells							(MCL) STANDARD
PARAMETERS	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)	327	346	227	308	152	531	242	324	570	NS
dissolved oxygen (mg/l) (field)	1.44	0.47	0.77	1.88	0.34	1.36	0.26	1.52	0.63	NS
pH (field)	6.52	6.49	4.35	5.16	4.92	5.65	4.96	6.01	6.25	(6.5 - 8.5)**
temperature (°C) (field)	23.60	23.50	22.50	26.90	26.00	26.10	24.10	25.70	24.30	NS
turbidity (NTU) (field)	0.26	0.82	1.93	19.3	0.32	3.39	2.87	1.94	2.4	NS
total dissolved solids (mg/l)	200	160	120	140	82	190	150	170	290	500**
chloride (mg/l)	8.1	8.3	16	59	26	52	18	41	37	250**
ammonia nitrogen (mg/l as N)	0.35	0.38	0.61	3.2	0.84	1.5	2.5	0.54	0.55	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	10*

	Floridan Aquifer		Surficial Aquifer Wells							(MCL) STANDARD
Metals: (mg/l)	TH-19	TH-40	TH-22A	TH-28A	TH-57	TH-58	TH-65	TH-66A	TH-67	
antimony	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.006*
arsenic	0.0013 u	0.0013 u	0.0013 u	0.0028	0.0013 u	0.025	0.0022 i	0.0025	0.0013 u	0.01*
barium	0.0057	0.0068	0.052	0.0031 i	0.0064	0.02	0.0013 u	0.003 i	0.0073	2*
beryllium	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.004*
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	0.00018 i	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 i	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 u	0.00039 i	0.00015 u	0.00031 i	0.00024 i	0.00046 i	0.00063	140***
copper	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	1**
iron	0.033 u	0.041 i	0.39	3.4	0.32	3.7	1.1	0.33	8.9	0.3**
lead	0.00032 i	0.0002 u	0.0002 u	0.00021 i	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.00037 i	0.015*
nickel	0.002 u	0.002 u	0.002 u	0.002 u	0.0032 i	0.002 u	0.002 u	0.002 u	0.0043 i	0.1*
selenium	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 i	0.001 u	0.001 u	0.05*
silver	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.1**
sodium	13	17	4.3	23	10	21	13	11	25	160*
thallium	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.00052 i	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	0.0064 i	0.0061 i	0.032	0.0054 i	49***
zinc	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	5**
mercury	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.002*

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
6.49 : EXCEEDS STANDARDS
NTU=NEPHELOMETRIC TURBIDITY UNITS
ug/l=MICROGRAMS PER LITER
mg/l=MILLIGRAMS PER LITER

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill
(Sections 7-9) May 14-16, 2012

GENERAL (mg/l)	Surficial Aquifer Wells							(MCL) STANDARD
PARAMETERS	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)	234	185	255	ND	640	418	734	NS
dissolved oxygen (mg/l) (field)	1.57	1.87	0.61	ND	0.99	0.62	0.39	NS
pH (field)	5.44	5.68	4.73	ND	5.81	6.20	5.84	(6.5 - 8.5)**
temperature (°C) (field)	25.50	25.80	25.00	ND	24.30	24.30	23.50	NS
turbidity (NTU) (field)	8.86	3.47	5.1	ND	49.2	79.4	9.43	NS
total dissolved solids (mg/l)	160	100	180	ND	330	220	380	500**
chloride (mg/l)	11	4.8	21	ND	97	23	48	250**
ammonia nitrogen (mg/l as N)	0.028	0.41	0.54	ND	0.084	0.84	1.6	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	ND	0.29 i	0.12 i	0.1 u	10*
Metals: (mg/l)	TH-36-A	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	(MCL) STANDARD
antimony	0.0023 u	0.0023 u	0.0023 u	ND	0.0023 u	0.0023 u	0.0023 u	0.006*
arsenic	0.0013 u	0.0013 u	0.0013 u	ND	0.0013 u	0.0044	0.0042	0.01*
barium	0.0074	0.0074	0.019	ND	0.0088	0.0047 i	0.014	2*
beryllium	0.00025 u	0.00025 u	0.00025 u	ND	0.00025 u	0.00025 u	0.00025 u	0.004*
cadmium	0.000095 u	0.000095 u	0.00018 i	ND	0.000095 u	0.000095 u	0.000097 i	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	ND	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 u	ND	0.00016 i	0.00019 i	0.00083	140***
copper	0.0011 u	0.0011 u	0.0011 u	ND	0.0011 u	0.0011 u	0.0011 u	1**
iron	0.033 u	0.24	0.26	ND	11	18	29	0.3**
lead	0.00032 i	0.0002 u	0.0002 u	ND	0.00078 i	0.0002 u	0.00021 i	0.015*
nickel	0.002 u	0.002 u	0.002 u	ND	0.002 u	0.002 u	0.004 i	0.1*
selenium	0.001 u	0.001 u	0.001 u	ND	0.001 u	0.001 u	0.001 u	0.05*
silver	0.00025 u	0.00025 u	0.00025 u	ND	0.00025 u	0.00025 u	0.00025 u	0.1**
sodium	6	3.2	8.4	ND	16	7.8	6.2	160*
thallium	0.0005 u	0.0005 u	0.0005 u	ND	0.0005 u	0.0005 u	0.0005 u	0.002*
vanadium	0.042	0.039	0.0083 i	ND	0.0039 i	0.0038 u	0.0051 i	49***
zinc	0.0083 u	0.0083 u	0.0083 u	ND	0.0083 u	0.0083 u	0.0083 u	5**
mercury	0.000091 u	0.000091 u	0.000091 u	ND	0.000091 u	0.000091 u	0.000091 u	0.002*

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012
NS=NO STANDARD
ND = NO DATA (WELL DRY)
MCL=MAXIMUM CONTAMINANT LEVEL
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**=DENOTES SECONDARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.320, FAC
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5.44 : EXCEEDS STANDARDS
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Analytical Results from Private Well Samples at the Southeast Landfill
May 14, 2012

GENERAL (mg/l)	Private Wells				(MCL) STANDARD
PARAMETERS	Weeks	Holland	Keene, Jr.	Barnes	
conductivity (umhos/cm) (field)	560	407	349	372	NS
dissolved oxygen (mg/l) (field)	1.21	0.24	0.22	3.97	NS
pH (field)	6.89	6.99	7.33	7.24	(6.5 - 8.5)**
temperature (°C) (field)	23.80	24.20	25.70	24.70	NS
turbidity (NTU) (field)	0.63	0.09	0.41	0.23	NS
total dissolved solids (mg/l)	270	170	140	170	500**
total suspended solids (mg/l)	1.2	4.4	1.2	1 u	NS
total organic carbon (mg/l)	2.4	1.2	1.3	1.6	NS
chloride (mg/l)	40	20	8.8	7.3	250**
ammonia nitrogen (mg/l as N)	0.11	0.059	0.18	0.072	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.17 i	10*
total alpha (pCi/l)	14.6 +/- 2.1	4.5 +/- 1.2	3.3 +/- 1.1	5.4 +/- 1.3	15*
radium 226/228 (pCi/l)	11.5 +/-2.2	2 +/- 1.4	3 +/- 1.5	3.9 +/- 1.7	5*
	Private Wells				(MCL) STANDARD
Metals: (mg/l)	Weeks	Holland	Keene, Jr.	Barnes	
antimony	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.006*
arsenic	0.0038	0.0013 u	0.0013 u	0.0013 u	0.01*
barium	0.0056	0.0046 i	0.0044 i	0.0059	2*
beryllium	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.004*
cadmium	0.000095 u	0.000095 u	0.000095 u	0.000095 u	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 u	0.00015 u	140***
copper	0.0011 u	0.0011 u	0.0011 u	0.0011 i	1**
iron	0.46	1.7	0.033 u	0.033 u	0.3**
lead	0.00083 i	0.00024 i	0.0002 u	0.0017	0.015*
nickel	0.002 u	0.0069	0.002 u	0.002 u	0.1*
selenium	0.001 u	0.001 u	0.001 u	0.001 u	0.05*
silver	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.1**
sodium	8.1	5	7.2	14	160*
thallium	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	49***
zinc	0.06	0.024	0.039	0.16	5**
mercury	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.002*

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=NO STANDARD

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*=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

11.5 : EXCEEDS STANDARDS

NTU=NEPHELOMETRIC TURBIDITY UNITS

pCi/l=PICOCURIES PER LITER

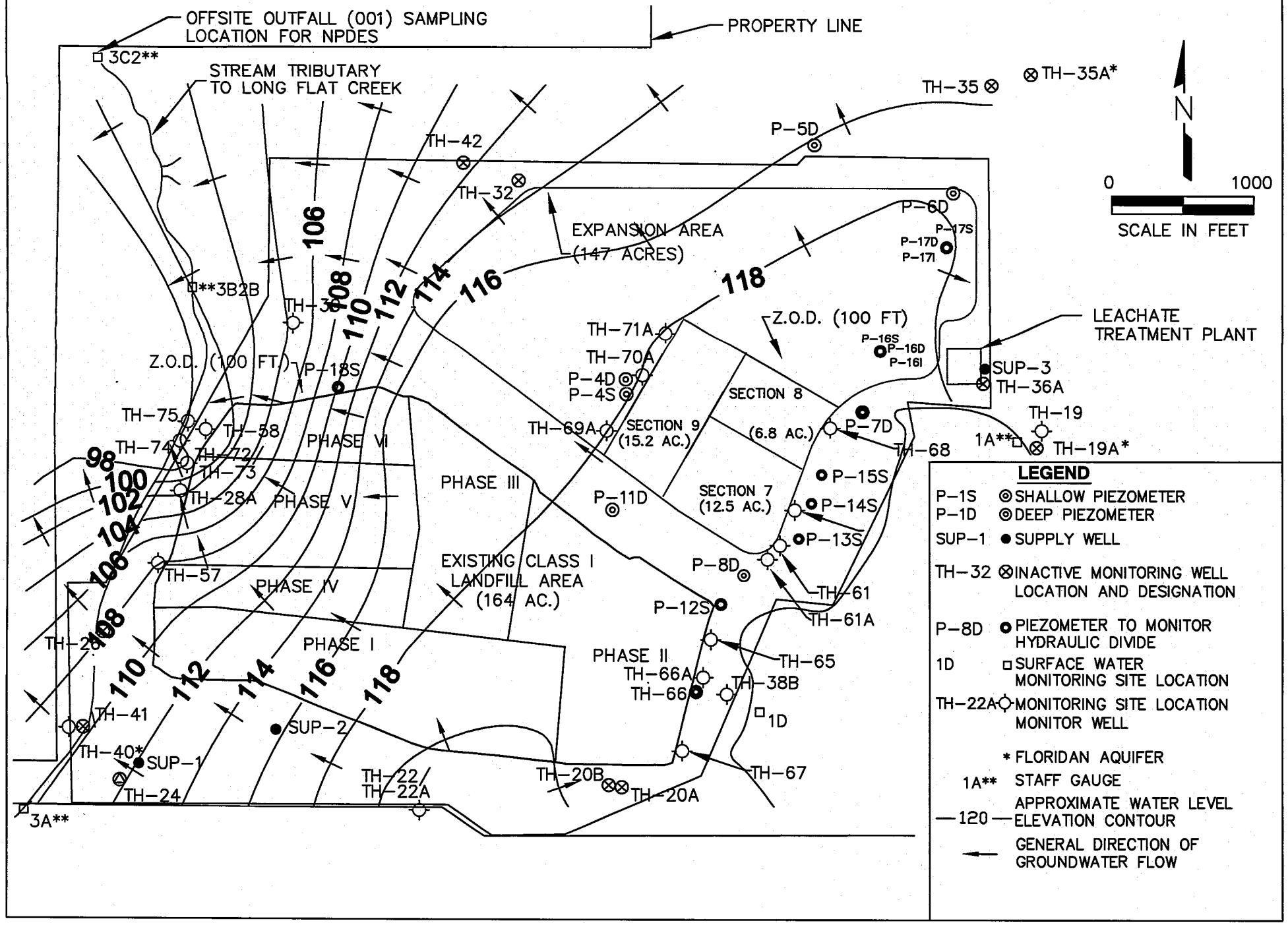
ug/l=MICROGRAMS PER LITER

mg/l=MILLIGRAMS PER LITER

Groundwater and Surface Water Elevations for Southeast County Landfill
May 14, 2012

Measuring Point I.D.	T.O.C. Elevations (NGVD)	05/14/2012 W.L. B.T.O.C.	W.L. (NGVD)	Time
P-4D	140.78	23.91	116.87	11:59 AM
P-4S	140.95	Dry	Dry	11:57 AM
P-5D	151.94	Dry	Dry	12:42 PM
P-6D-A	148.01	29.90	118.11	12:33 PM
P-7D	138.92	19.90	119.02	10:40 AM
P-8D	138.34	20.12	118.22	1:01 PM
P-11D	138.02	19.42	118.60	10:06 AM
P-12S	134.97	16.32	118.65	10:03 AM
P-13S	140.21	21.61	118.60	10:15 AM
P-14S	138.56	20.00	118.56	10:24 AM
P-15S	139.19	20.62	118.57	10:27 AM
P-16S	143.38	16.48	126.90	12:20 PM
P-16I	144.15	26.03	118.12	12:22 PM
P-16D	143.84	25.74	118.10	12:24 PM
P-17S	137.35	19.02	118.33	12:50 PM
P-17I	137.32	19.38	117.94	12:48 PM
P-17D	137.22	19.37	117.85	12:46 PM
P-18S	129.86	19.60	110.26	11:44 AM
P-19	133.36	16.27	117.09	12:37 PM
P-20	132.38	14.92	117.46	12:29 PM
P-21	122.79	5.73	117.06	12:08 PM
P-22	128.35	11.02	117.33	12:11 PM
P-23	143.13	25.38	117.75	12:15 PM
TH-19*	130.27	125.68	4.59	10:52 AM
TH-20A	131.86	12.03	119.83	9:39 AM
TH-20B	132.57	13.05	119.52	9:37 AM
TH-22	128.82	7.59	121.23	9:22 AM
TH-22A	129.27	8.20	121.07	9:20 AM
TH-24A	128.23	8.22	120.01	9:28 AM
TH-28A	131.10	29.80	101.30	1:24 PM
TH-30	128.88	24.40	104.48	1:07 PM
TH-32	129.90	16.51	113.39	11:04 AM
TH-35	145.98	30.31	115.67	12:55 PM
TH-36A	152.70	35.24	117.46	10:46 AM
TH-38A	130.68	12.49	118.19	9:46 AM
TH-38B	131.81	13.23	118.58	9:49 AM
TH-40*	124.99	121.90	3.09	12:45 PM
TH-41*	125.00	125.63	-0.63	1:33 PM
TH-42*	116.74	97.28	19.46	11:08 AM
TH-57	128.36	20.62	107.74	1:25 PM
TH-58	127.88	29.18	98.70	1:11 PM
TH-61	138.73	19.61	119.12	10:10 AM
TH-61A	139.45	20.19	119.26	10:12 AM
TH-64	139.64	20.15	119.49	10:20 AM
TH-65	135.40	16.58	118.82	10:00 AM
TH-66	130.58	11.42	119.16	9:52 AM
TH-66A	130.66	11.89	118.77	9:55 AM
TH-67	129.51	7.36	122.15	9:43 AM
TH-68	140.01	21.23	118.78	10:36 AM
TH-69A	144.97	26.99	117.98	11:51 AM
TH-70A	146.63	28.63	118.00	11:55 AM
TH-71A	146.95	28.55	118.40	12:03 PM
TH-72	130.96	128.07	2.89	1:16 PM
TH-73	131.07	32.99	98.08	1:18 PM
TH-74	109.08	11.09	97.99	11:30 AM
TH-75	106.92	8.95	97.97	11:34 AM
SW-3A	3.0'=125.53'	ND	ND	9:15 AM
SW-3B2B	3.0'=97.97'	ND	ND	11:22 AM
SW-3C2	6.0'=92.33'	ND	ND	11:18 AM
Mine Cut #1	4.0'=122.14'	ND	ND	10:30 AM
Mine Cut #2	6.0'=123.47'	0.42	117.89	10:57 AM
Mine Cut #3	4.0'=112.27'	1.32	109.59	11:01 AM
Mine Cut #4	5.0'=97.54'	1.12	93.66	11:13 AM

NGVD = National Geodetic Vertical Datum
T.O.C. = Top of Casing
B.T.O.C. = Below Top of Casing
* = Floridan Well
W.L. = Water Level
ND = Water level below staff gauge or location was dry.



Southeast County Landfill

Groundwater Elevation Contour Diagram – May 14, 2012

HILLSBOROUGH COUNTY
SOUTHEAST COUNTY LANDFILL TURBIDITY MONITORING

Date	Sampling Location	Time	Turbidity (NTU)	Notes
04/22/2012	3A	9:25 a.m.	N/A	1.5" rain on 4/22/2012
	3B2B	9:30 a.m.	3.5	
	3C2	9:35 a.m.	4.2	

Hillsborough County
Florida

Office of the County Administrator
Michael S. Merrill

August 3, 2012

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 May 14, 2012. Iron was observed at a concentration of 1.7 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 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 272-5977 extension 43955. Thank you for your permission to test this well.

Sincerely,

8/3/12

Michael D. Townsel
Senior Hydrologist
Public Utilities Department
Environmental Services

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

Hillsborough County
Florida

Office of the County Administrator
Michael S. Merrill

August 3, 2012

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 May 14, 2012. Iron was observed at a concentration of 0.46 milligrams per liter (mg/l). This value exceeds the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. Radium 226/228 were also observed at a concentration of 11.5 picocuries per liter (pCi/l), which exceeds the Florida Primary Drinking Water Standard (FAC Ch 62-550.310) of 5 pCi/l, respectively. 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 272-5977 extension 43955. Thank you for your permission to test this well.

Sincerely,

Michael D. Townsel 8/3/12
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

Hillsborough County
Florida

Office of the County Administrator
Michael S. Merrill

August 3, 2012

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 May 14, 2012. All parameters are within Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-.320).

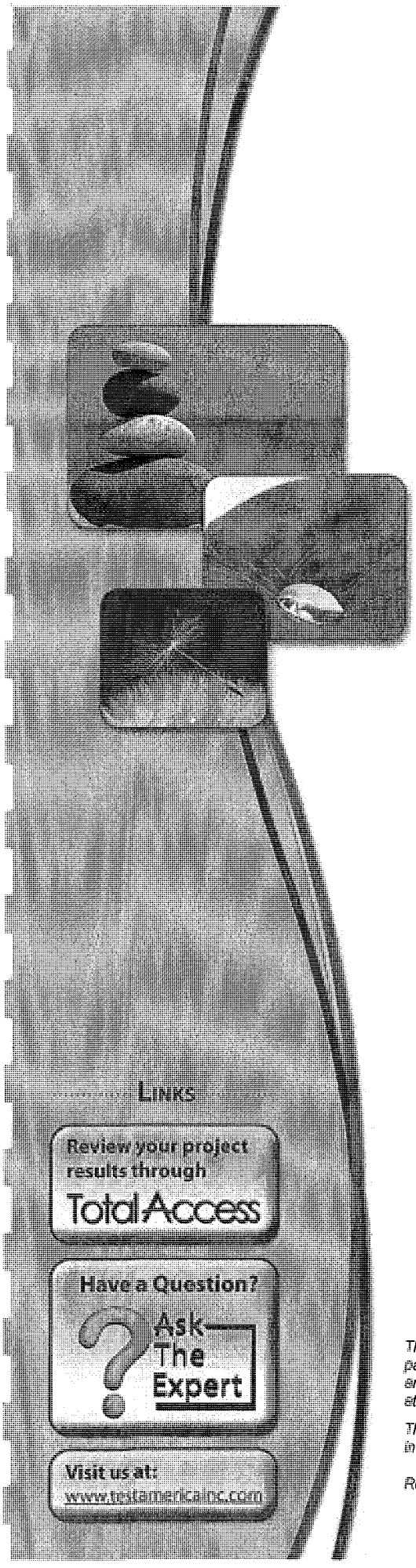
If you have any questions on the analysis, you may call me at 272-5977 extension 43955. Thank you for your permission to test this well.

Sincerely,

8/3/12

Michael D. Townsel
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: 660-47642-1
Client Project/Site: Southeast Landfill

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

Attn: David Adams

Authorized for release by:
6/6/2012 9:58:33 AM

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

Table of Contents

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
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.
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.
V	Indicates the analyte was detected in both the sample and the associated method blank.

General Chemistry

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-47642-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-47642-1

Comments
No additional comments.

Receipt
The samples were received on 5/14/2012 4:35 PM, 5/15/2012 3:15 PM and 5/16/2012 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were .8° C, .9° C, 2.7° C, 3.5° C, 3.7° C, 4.0° C and 4.7° C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) and matrix spike for batch 124635 exceeded control limits for the following analytes: Chloroethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported and flagged with J3.

Method 8260B: The laboratory control sample (LCS) and matrix spike for batch 124707 exceeded control limits for the following analyte: Acetone. 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: TH-65 (660-47671-7). This sample did not contain any target analytes; therefore, re-extraction and re-analysis was not performed. The sample is flagged with J1.

Method 8011: The surrogate recovery for the blank associated with batch 124865 was outside recovery limits. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
Method 6020A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 238866 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No analytical or quality issues were noted.

General Chemistry
Method SM 2540D: The sample duplicate %RPD associated with batch 124589 was outside the control limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 124832 were outside control limits for Chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for batch 124855 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 124679 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 114615 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: BLANK EQUIPMENT 47642

Lab Sample ID: 660-47642-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.97		0.50	0.25	mg/L	1		6020A	Total Recoverable

Client Sample ID: WEEKS

Lab Sample ID: 660-47642-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.8		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	5.6		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	460		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.83	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	8.1		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	60		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	40		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.11		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	270		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	1.2		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.4		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	6.89				SU	1		Field Sampling	Total/NA
Field Temperature	23.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	560				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.63				NTU	1		Field Sampling	Total/NA

Client Sample ID: KEEN JR

Lab Sample ID: 660-47642-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.4	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Sodium	7.2		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	39		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	8.8		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.18		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	140		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	1.2		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	7.33				SU	1		Field Sampling	Total/NA
Field Temperature	25.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	349				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.41				NTU	1		Field Sampling	Total/NA

Client Sample ID: HOLLAND

Lab Sample ID: 660-47642-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.6	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	1700		100	33	ug/L	1		6020A	Total Recoverable

Client Sample ID: HOLLAND (Continued)

Lab Sample ID: 660-47642-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.24	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	6.9		5.0	2.0	ug/L	1		6020A	Total Recoverable
Sodium	5.0		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	24		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	20		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.059		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	170		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.4		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.2		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	6.99				SU	1		Field Sampling	Total/NA
Field Temperature	24.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.24				mg/L	1		Field Sampling	Total/NA
Specific Conductance	407				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.09				NTU	1		Field Sampling	Total/NA

Client Sample ID: BARNES

Lab Sample ID: 660-47642-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.9		5.0	1.3	ug/L	1		6020A	Total Recoverable
Copper	1.1	I	5.0	1.1	ug/L	1		6020A	Total Recoverable
Lead	1.7		1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	14		0.50	0.25	mg/L	1		6020A	Total Recoverable
Zinc	160		20	8.3	ug/L	1		6020A	Total Recoverable
Chloride	7.3		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.072		0.020	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	0.17	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	170		10	10	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.6		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	7.24				SU	1		Field Sampling	Total/NA
Field Temperature	24.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.97				mg/L	1		Field Sampling	Total/NA
Specific Conductance	372				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.23				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-28A

Lab Sample ID: 660-47642-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.8		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	3.1	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.39	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	3400		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.21	I	1.5	0.20	ug/L	1		6020A	Total Recoverable

Client Sample ID: TH-28A (Continued)

Lab Sample ID: 660-47642-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	23		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	59		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	3.2		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	140		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.16				SU	1		Field Sampling	Total/NA
Field Temperature	26.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.88				mg/L	1		Field Sampling	Total/NA
Specific Conductance	308				umhos/cm	1		Field Sampling	Total/NA
Turbidity	19.3				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-58

Lab Sample ID: 660-47642-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	25		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	20		5.0	1.3	ug/L	1		6020A	Total Recoverable
Chromium	2.5	I	5.0	2.5	ug/L	1		6020A	Total Recoverable
Cobalt	0.31	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	3700		100	33	ug/L	1		6020A	Total Recoverable
Sodium	21		0.50	0.25	mg/L	1		6020A	Total Recoverable
Thallium	0.52	I	1.0	0.50	ug/L	1		6020A	Total Recoverable
Vanadium	6.4	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	52		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	1.5		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	190		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	5.65				SU	1		Field Sampling	Total/NA
Field Temperature	26.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.36				mg/L	1		Field Sampling	Total/NA
Specific Conductance	531				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.39				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-40

Lab Sample ID: 660-47642-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.8		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	41	I	100	33	ug/L	1		6020A	Total Recoverable
Sodium	17		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	8.3		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.38		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	160		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.49				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.47				mg/L	1		Field Sampling	Total/NA
Specific Conductance	346				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.82				NTU	1		Field Sampling	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-36A — Lab Sample ID: 660-47642-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	7.4		5.0	1.3	ug/L	1		6020A	Total Recoverable
Lead	0.32	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	6.0		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	42		10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	11		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.028		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	160		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.44				SU	1		Field Sampling	Total/NA
Field Temperature	25.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.57				mg/L	1		Field Sampling	Total/NA
Specific Conductance	234				umhos/cm	1		Field Sampling	Total/NA
Turbidity	8.86				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-57 — Lab Sample ID: 660-47642-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.4		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	320		100	33	ug/L	1		6020A	Total Recoverable
Nickel	3.2	I	5.0	2.0	ug/L	1		6020A	Total Recoverable
Sodium	10		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	26		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.84		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	82		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.92				SU	1		Field Sampling	Total/NA
Field Temperature	26.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.34				mg/L	1		Field Sampling	Total/NA
Specific Conductance	152				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.32				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK TRAVEL 47642 — Lab Sample ID: 660-47642-11

No Detections

Client Sample ID: TH-67 — Lab Sample ID: 660-47671-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	7.3		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.18	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Cobalt	0.63		0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	8900		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.37	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	4.3	I	5.0	2.0	ug/L	1		6020A	Total Recoverable

Client Sample ID: TH-67 (Continued) — Lab Sample ID: 660-47671-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	25		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	5.4	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	37		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	0.55		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	290		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.25				SU	1		Field Sampling	Total/NA
Field Temperature	24.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.63				mg/L	1		Field Sampling	Total/NA
Specific Conductance	570				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-61A — Lab Sample ID: 660-47671-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	7.4		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	240		100	33	ug/L	1		6020A	Total Recoverable
Sodium	3.2		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	39		10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	4.8		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.41		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	100		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.68				SU	1		Field Sampling	Total/NA
Field Temperature	25.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.87				mg/L	1		Field Sampling	Total/NA
Specific Conductance	185				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.47				NTU	1		Field Sampling	Total/NA

Client Sample ID: DUPLICATE NOT BLANK 47671 — Lab Sample ID: 660-47671-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.9		5.0	1.3	ug/L	1		6020A	Total Recoverable
Sodium	13		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	8.1		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.38		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	180		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-19 — Lab Sample ID: 660-47671-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.7		5.0	1.3	ug/L	1		6020A	Total Recoverable
Lead	0.32	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	13		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	8.1		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.35		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	200		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-19 (Continued) — Lab Sample ID: 660-47671-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.52				SU	1		Field Sampling	Total/NA
Field Temperature	23.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.44				mg/L	1		Field Sampling	Total/NA
Specific Conductance	327				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.26				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-22A — Lab Sample ID: 660-47671-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	52		5.0	1.3	ug/L	1		6020A	Total Recoverable
Iron	390		100	33	ug/L	1		6020A	Total Recoverable
Sodium	4.3		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	16		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.61		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.35				SU	1		Field Sampling	Total/NA
Field Temperature	22.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.77				mg/L	1		Field Sampling	Total/NA
Specific Conductance	227				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.93				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-66A — Lab Sample ID: 660-47671-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.5		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	3.0	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.46	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	330		100	33	ug/L	1		6020A	Total Recoverable
Sodium	11		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	32		10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	41		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.54		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	170		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.01				SU	1		Field Sampling	Total/NA
Field Temperature	25.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.52				mg/L	1		Field Sampling	Total/NA
Specific Conductance	324				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.94				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-65 — Lab Sample ID: 660-47671-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.2	I	2.5	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.24	I	0.50	0.15	ug/L	1		6020A	Total Recoverable

Client Sample ID: TH-65 (Continued) — Lab Sample ID: 660-47671-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1100		100	33	ug/L	1		6020A	Total Recoverable
Selenium	1.0	I	2.5	1.0	ug/L	1		6020A	Total Recoverable
Sodium	13		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	6.1	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	18		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	2.5		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	150		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.96				SU	1		Field Sampling	Total/NA
Field Temperature	24.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.26				mg/L	1		Field Sampling	Total/NA
Specific Conductance	242				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.87				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK EQUIPMENT 47671 — Lab Sample ID: 660-47671-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.39	I	0.50	0.25	mg/L	1		6020A	Total Recoverable

Client Sample ID: BLANK TRAVEL 47671 — Lab Sample ID: 660-47671-9

No Detections

Client Sample ID: TH-69A — Lab Sample ID: 660-47707-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	8.8		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.16	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	11000		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.78	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Sodium	16		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	3.9	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	97		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	0.084	J3	0.020	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	0.29	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	330		17	17	mg/L	1		SM 2540C	Total/NA
Field pH	5.81				SU	1		Field Sampling	Total/NA
Field Temperature	24.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.99				mg/L	1		Field Sampling	Total/NA
Specific Conductance	640				umhos/cm	1		Field Sampling	Total/NA
Turbidity	49.2				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-71A — Lab Sample ID: 660-47707-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.2		2.5	1.3	ug/L	1		6020A	Total Recoverable

Client Sample ID: TH-71A (Continued)

Lab Sample ID: 660-47707-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	14		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.097	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Cobalt	0.83		0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	29000		100	33	ug/L	1		6020A	Total Recoverable
Lead	0.21	I	1.5	0.20	ug/L	1		6020A	Total Recoverable
Nickel	4.0	I	5.0	2.0	ug/L	1		6020A	Total Recoverable
Sodium	6.2		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	5.1	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	48		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	1.6		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	380		17	17	mg/L	1		SM 2540C	Total/NA
Field pH	5.84				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.39				mg/L	1		Field Sampling	Total/NA
Specific Conductance	734				umhos/cm	1		Field Sampling	Total/NA
Turbidity	9.43				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-70A

Lab Sample ID: 660-47707-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.5	1.3	ug/L	1		6020A	Total Recoverable
Barium	4.7	I	5.0	1.3	ug/L	1		6020A	Total Recoverable
Cobalt	0.19	I	0.50	0.15	ug/L	1		6020A	Total Recoverable
Iron	16000		100	33	ug/L	1		6020A	Total Recoverable
Sodium	7.8		0.50	0.25	mg/L	1		6020A	Total Recoverable
Chloride	23		2.0	0.80	mg/L	4		300.0	Total/NA
Ammonia as N	0.84		0.020	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	0.12	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	220		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.20				SU	1		Field Sampling	Total/NA
Field Temperature	24.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.62				mg/L	1		Field Sampling	Total/NA
Specific Conductance	418				umhos/cm	1		Field Sampling	Total/NA
Turbidity	79.4				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-64

Lab Sample ID: 660-47707-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	19		5.0	1.3	ug/L	1		6020A	Total Recoverable
Cadmium	0.18	I	0.50	0.095	ug/L	1		6020A	Total Recoverable
Iron	260		100	33	ug/L	1		6020A	Total Recoverable

Client Sample ID: TH-64 (Continued) — Lab Sample ID: 660-47707-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	8.4		0.50	0.25	mg/L	1		6020A	Total Recoverable
Vanadium	8.3	I	10	3.8	ug/L	1		6020A	Total Recoverable
Chloride	21		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.54		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	4.73				SU	1		Field Sampling	Total/NA
Field Temperature	25.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.61				mg/L	1		Field Sampling	Total/NA
Specific Conductance	255				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.10				NTU	1		Field Sampling	Total/NA

Client Sample ID: BLANK EQUIPMENT 47707 — Lab Sample ID: 660-47707-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.9	I	5.0	1.1	ug/L	1		6020A	Total Recoverable
Sodium	0.51		0.50	0.25	mg/L	1		6020A	Total Recoverable
Ammonia as N	0.16		0.020	0.010	mg/L	1		350.1	Total/NA

Client Sample ID: BLANK TRAVEL 47707 — Lab Sample ID: 660-47707-6

No Detections

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: BLANK EQUIPMENT 47642
Date Collected: 05/14/12 09:30
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-1
Matrix: Ground Water

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			05/16/12 15:51	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 15:51	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 15:51	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 15:51	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 15:51	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 15:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:51	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 15:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 15:51	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 15:51	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 15:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:51	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 15:51	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 15:51	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 15:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 15:51	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 15:51	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 15:51	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 15:51	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 15:51	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 15:51	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 15:51	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 15:51	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 15:51	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 15:51	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 15:51	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:51	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 15:51	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 15:51	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 15:51	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 15:51	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 15:51	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 15:51	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 15:51	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 15:51	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 15:51	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 15:51	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 15:51	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 15:51	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 15:51	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:51	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 15:51	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 15:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 15:51	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/16/12 15:51*	*1*
Dibromofluoromethane	*90*		*70 - 130*		*05/16/12 15:51*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/16/12 15:51*	*1*

Client Sample ID: BLANK EQUIPMENT 47642
Date Collected: 05/14/12 09:30
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-1
Matrix: Ground Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 19:51	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*76*		*60 - 140*	*05/23/12 15:00*	*05/23/12 19:51*	*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		06/01/12 09:50	06/02/12 20:28	1
Arsenic	1.3	U	2.5	1.3	ug/L		06/01/12 09:50	06/02/12 20:28	1
Barium	1.3	U	5.0	1.3	ug/L		06/01/12 09:50	06/02/12 20:28	1
Beryllium	0.25	U	0.50	0.25	ug/L		06/01/12 09:50	06/02/12 20:28	1
Cadmium	0.095	U	0.50	0.095	ug/L		06/01/12 09:50	06/02/12 20:28	1
Chromium	2.5	U	5.0	2.5	ug/L		06/01/12 09:50	06/02/12 20:28	1
Cobalt	0.15	U	0.50	0.15	ug/L		06/01/12 09:50	06/02/12 20:28	1
Copper	1.1	U	5.0	1.1	ug/L		06/01/12 09:50	06/02/12 20:28	1
Iron	33	U	100	33	ug/L		06/01/12 09:50	06/02/12 20:28	1
Lead	0.20	U	1.5	0.20	ug/L		06/01/12 09:50	06/02/12 20:28	1
Nickel	2.0	U	5.0	2.0	ug/L		06/01/12 09:50	06/02/12 20:28	1
Selenium	1.0	U	2.5	1.0	ug/L		06/01/12 09:50	06/02/12 20:28	1
Silver	0.25	U	1.0	0.25	ug/L		06/01/12 09:50	06/02/12 20:28	1
Sodium	**0.97**		0.50	0.25	mg/L		06/01/12 09:50	06/02/12 20:28	1
Thallium	0.50	U	1.0	0.50	ug/L		06/01/12 09:50	06/02/12 20:28	1
Vanadium	3.8	U	10	3.8	ug/L		06/01/12 09:50	06/02/12 20:28	1
Zinc	8.3	U	20	8.3	ug/L		06/01/12 09:50	06/02/12 20:28	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		05/18/12 14:22	05/22/12 14:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/29/12 10:27	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			05/26/12 10:59	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:17	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			05/17/12 14:11	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			05/17/12 10:12	1
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			05/30/12 09:26	1

Client Sample ID: WEEKS
Date Collected: 05/14/12 10:04
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-2
Matrix: Ground Water

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			05/16/12 16:12	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 16:12	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 16:12	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 16:12	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 16:12	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 16:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:12	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 16:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 16:12	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 16:12	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 16:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:12	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 16:12	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 16:12	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 16:12	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:12	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 16:12	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 16:12	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:12	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 16:12	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 16:12	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 16:12	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 16:12	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 16:12	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:12	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 16:12	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:12	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 16:12	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 16:12	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 16:12	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 16:12	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 16:12	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:12	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 16:12	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 16:12	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 16:12	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:12	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 16:12	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 16:12	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:12	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:12	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 16:12	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 16:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 16:12	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/16/12 16:12*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*05/16/12 16:12*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/16/12 16:12*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: WEEKS
Date Collected: 05/14/12 10:04
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-2
Matrix: Ground Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 20:09	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*64*		*60 - 140*	*05/23/12 15:00*	*05/23/12 20:09*	*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		05/29/12 11:16	05/30/12 13:15	1
Arsenic	**3.8**		2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:15	1
Barium	**5.6**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:15	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:15	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:15	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:15	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 02:49	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:15	1
Iron	**460**		100	33	ug/L		05/29/12 11:16	05/30/12 13:15	1
Lead	**0.83**	**I**	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:15	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:15	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:15	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:15	1
Sodium	**8.1**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:15	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:15	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:15	1
Zinc	**60**		20	8.3	ug/L		05/29/12 11:16	05/30/12 13:15	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		05/18/12 14:22	05/22/12 14:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40**		0.50	0.20	mg/L			05/29/12 10:43	1
Ammonia as N	**0.11**		0.020	0.010	mg/L			05/26/12 10:46	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:18	1
Total Dissolved Solids	**270**		10	10	mg/L			05/17/12 14:11	1
Total Suspended Solids	**1.2**		1.0	1.0	mg/L			05/17/12 10:12	1
Total Organic Carbon	**2.4**		1.0	0.35	mg/L			05/30/12 09:39	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.89**				SU			05/14/12 10:04	1
Field Temperature	**23.8**				Degrees C			05/14/12 10:04	1
Oxygen, Dissolved	**1.21**				mg/L			05/14/12 10:04	1
Specific Conductance	**560**				umhos/cm			05/14/12 10:04	1
Turbidity	**0.63**				NTU			05/14/12 10:04	1

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: KEEN JR
Date Collected: 05/14/12 12:09
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-3
Matrix: Ground Water

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			05/16/12 16:35	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 16:35	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 16:35	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 16:35	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 16:35	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 16:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:35	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 16:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 16:35	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 16:35	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 16:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:35	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 16:35	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 16:35	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 16:35	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:35	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 16:35	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 16:35	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:35	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 16:35	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 16:35	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 16:35	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 16:35	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 16:35	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:35	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 16:35	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:35	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 16:35	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 16:35	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 16:35	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 16:35	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 16:35	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:35	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 16:35	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 16:35	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 16:35	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:35	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 16:35	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 16:35	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:35	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:35	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 16:35	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 16:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 16:35	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*05/16/12 16:35*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/16/12 16:35*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/16/12 16:35*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: KEEN JR
Date Collected: 05/14/12 12:09
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-3
Matrix: Ground Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 20:27	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*69*		*60 - 140*	*05/23/12 15:00*	*05/23/12 20:27*	*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		05/29/12 11:16	05/30/12 13:22	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:22	1
Barium	**4.4**	**I**	5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:22	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:22	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:22	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 02:56	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:22	1
Iron	33	U	100	33	ug/L		05/29/12 11:16	05/30/12 13:22	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:22	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:22	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:22	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:22	1
Sodium	**7.2**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:22	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:22	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:22	1
Zinc	**39**		20	8.3	ug/L		05/29/12 11:16	05/30/12 13:22	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		05/18/12 14:22	05/22/12 14:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.8**		0.50	0.20	mg/L			05/29/12 10:58	1
Ammonia as N	**0.18**		0.020	0.010	mg/L			05/26/12 10:50	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:22	1
Total Dissolved Solids	**140**		10	10	mg/L			05/17/12 14:12	1
Total Suspended Solids	**1.2**		1.0	1.0	mg/L			05/17/12 10:12	1
Total Organic Carbon	**1.3**		1.0	0.35	mg/L			05/30/12 09:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.33**				SU			05/14/12 12:09	1
Field Temperature	**25.7**				Degrees C			05/14/12 12:09	1
Oxygen, Dissolved	**0.22**				mg/L			05/14/12 12:09	1
Specific Conductance	**349**				umhos/cm			05/14/12 12:09	1
Turbidity	**0.41**				NTU			05/14/12 12:09	1

Client Sample ID: HOLLAND
Date Collected: 05/14/12 10:49
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-4
Matrix: Ground Water

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			05/16/12 16:57	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 16:57	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 16:57	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 16:57	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 16:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 16:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:57	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 16:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 16:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 16:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 16:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 16:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 16:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 16:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:57	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 16:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 16:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 16:57	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 16:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 16:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 16:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 16:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 16:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 16:57	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 16:57	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 16:57	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 16:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 16:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 16:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:57	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 16:57	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 16:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 16:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 16:57	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 16:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 16:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 16:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 16:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 16:57	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 16:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 16:57	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*05/16/12 16:57*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*05/16/12 16:57*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/16/12 16:57*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: HOLLAND
Date Collected: 05/14/12 10:49
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-4
Matrix: Ground Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 20:44	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*76*		*60 - 140*	*05/23/12 15:00*	*05/23/12 20:44*	*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		05/29/12 11:16	05/30/12 13:30	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:30	1
Barium	**4.6**	**I**	5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:30	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:30	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:30	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:30	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:04	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:30	1
Iron	**1700**		100	33	ug/L		05/29/12 11:16	05/30/12 13:30	1
Lead	**0.24**	**I**	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:30	1
Nickel	**6.9**		5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:30	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:30	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:30	1
Sodium	**5.0**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:30	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:30	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:30	1
Zinc	**24**		20	8.3	ug/L		05/29/12 11:16	05/30/12 13:30	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		05/18/12 14:22	05/22/12 14:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20**		0.50	0.20	mg/L			05/29/12 11:14	1
Ammonia as N	**0.059**		0.020	0.010	mg/L			05/26/12 10:51	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:23	1
Total Dissolved Solids	**170**		10	10	mg/L			05/17/12 14:12	1
Total Suspended Solids	**4.4**		1.0	1.0	mg/L			05/17/12 10:12	1
Total Organic Carbon	**1.2**		1.0	0.35	mg/L			05/30/12 10:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.99**				SU			05/14/12 10:49	1
Field Temperature	**24.2**				Degrees C			05/14/12 10:49	1
Oxygen, Dissolved	**0.24**				mg/L			05/14/12 10:49	1
Specific Conductance	**407**				umhos/cm			05/14/12 10:49	1
Turbidity	**0.09**				NTU			05/14/12 10:49	1

Client Sample ID: BARNES
Date Collected: 05/14/12 11:34
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-5
Matrix: Ground Water

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			05/16/12 17:17	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 17:17	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 17:17	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 17:17	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 17:17	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 17:17	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 17:17	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 17:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 17:17	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 17:17	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 17:17	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 17:17	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 17:17	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 17:17	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 17:17	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 17:17	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 17:17	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 17:17	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 17:17	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 17:17	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 17:17	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 17:17	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 17:17	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 17:17	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 17:17	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 17:17	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 17:17	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 17:17	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 17:17	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 17:17	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 17:17	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 17:17	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 17:17	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 17:17	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 17:17	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 17:17	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 17:17	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 17:17	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 17:17	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 17:17	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 17:17	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 17:17	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 17:17	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 17:17	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/16/12 17:17*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/16/12 17:17*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/16/12 17:17*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: BARNES
Date Collected: 05/14/12 11:34
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-5
Matrix: Ground Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:02	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*61*		*60 - 140*	*05/23/12 15:00*	*05/23/12 21:02*	*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		05/29/12 11:16	05/30/12 13:37	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:37	1
Barium	**5.9**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:37	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:37	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:37	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:37	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:11	1
Copper	**1.1**	**I**	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:37	1
Iron	33	U	100	33	ug/L		05/29/12 11:16	05/30/12 13:37	1
Lead	**1.7**		1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:37	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:37	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:37	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:37	1
Sodium	**14**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:37	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:37	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:37	1
Zinc	**160**		20	8.3	ug/L		05/29/12 11:16	05/30/12 13:37	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		05/18/12 14:22	05/22/12 14:52	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.3**		0.50	0.20	mg/L			05/29/12 12:00	1
Ammonia as N	**0.072**		0.020	0.010	mg/L			05/26/12 10:52	1
Nitrate as N	**0.17**	**I**	0.50	0.10	mg/L			05/15/12 14:24	1
Total Dissolved Solids	**170**		10	10	mg/L			05/17/12 14:12	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			05/17/12 10:12	1
Total Organic Carbon	**1.6**		1.0	0.35	mg/L			05/30/12 10:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.24**				SU			05/14/12 00:00	1
Field Temperature	**24.7**				Degrees C			05/14/12 00:00	1
Oxygen, Dissolved	**3.97**				mg/L			05/14/12 00:00	1
Specific Conductance	**372**				umhos/cm			05/14/12 00:00	1
Turbidity	**0.23**				NTU			05/14/12 00:00	1

Client Sample ID: TH-28A
Date Collected: 05/14/12 14:08
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-6
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			05/17/12 09:11	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 09:11	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 09:11	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 09:11	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 09:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 09:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 09:11	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 09:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 09:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 09:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 09:11	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 09:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 09:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 09:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 09:11	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 09:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 09:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 09:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 09:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 09:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 09:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 09:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 09:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 09:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 09:11	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 09:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 09:11	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 09:11	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 09:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 09:11	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 09:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 09:11	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 09:11	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 09:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 09:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 09:11	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 09:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 09:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 09:11	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 09:11	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 09:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 09:11	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 09:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 09:11	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/17/12 09:11*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/17/12 09:11*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/17/12 09:11*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-28A
Date Collected: 05/14/12 14:08
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:20	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*71*		*60 - 140*	*05/23/12 15:00*	*05/23/12 21:20*	*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		05/29/12 11:16	05/30/12 13:44	1
Arsenic	**2.8**		2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:44	1
Barium	**3.1**	**I**	5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:44	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:44	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:44	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:44	1
Cobalt	**0.39**	**I**	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:18	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:44	1
Iron	**3400**		100	33	ug/L		05/29/12 11:16	05/30/12 13:44	1
Lead	**0.21**	**I**	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:44	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:44	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:44	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:44	1
Sodium	**23**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:44	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:44	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:44	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 13:44	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		05/18/12 14:22	05/22/12 14:55	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59**		2.0	0.80	mg/L			05/29/12 11:29	4
Ammonia as N	**3.2**		0.020	0.010	mg/L			05/26/12 10:53	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:26	1
Total Dissolved Solids	**140**		5.0	5.0	mg/L			05/17/12 14:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.16**				SU			05/14/12 13:34	1
Field Temperature	**26.9**				Degrees C			05/14/12 13:34	1
Oxygen, Dissolved	**1.88**				mg/L			05/14/12 13:34	1
Specific Conductance	**308**				umhos/cm			05/14/12 13:34	1
Turbidity	**19.3**				NTU			05/14/12 13:34	1

Client Sample ID: TH-58
Date Collected: 05/14/12 14:44
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-7
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			05/17/12 09:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 09:33	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 09:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 09:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 09:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 09:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 09:33	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 09:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 09:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 09:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 09:33	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 09:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 09:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 09:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 09:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 09:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 09:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 09:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 09:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 09:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 09:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 09:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 09:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 09:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 09:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 09:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 09:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 09:33	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 09:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 09:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 09:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 09:33	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 09:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 09:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 09:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 09:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 09:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 09:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 09:33	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 09:33	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 09:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 09:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 09:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 09:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/17/12 09:33*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/17/12 09:33*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/17/12 09:33*	*1*

Client Sample ID: TH-58
Date Collected: 05/14/12 14:44
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 21:38	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*73*		*60 - 140*	*05/23/12 15:00*	*05/23/12 21:38*	*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		05/29/12 11:16	05/30/12 13:52	1
Arsenic	**25**		2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:52	1
Barium	**20**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:52	1
Chromium	**2.5**	**I**	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:52	1
Cobalt	**0.31**	**I**	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:26	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:52	1
Iron	**3700**		100	33	ug/L		05/29/12 11:16	05/30/12 13:52	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:52	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:52	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:52	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:52	1
Sodium	**21**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:52	1
Thallium	**0.52**	**I**	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:52	1
Vanadium	**6.4**	**I**	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:52	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 13:52	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		05/18/12 14:22	05/22/12 14:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52**		2.0	0.80	mg/L			05/29/12 11:45	4
Ammonia as N	**1.5**		0.020	0.010	mg/L			05/26/12 10:54	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:27	1
Total Dissolved Solids	**190**		10	10	mg/L			05/17/12 14:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.65**				SU			05/14/12 14:44	1
Field Temperature	**26.1**				Degrees C			05/14/12 14:44	1
Oxygen, Dissolved	**1.36**				mg/L			05/14/12 14:44	1
Specific Conductance	**531**				umhos/cm			05/14/12 14:44	1
Turbidity	**3.39**				NTU			05/14/12 14:44	1

Client Sample ID: TH-40
Date Collected: 05/14/12 12:57
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-8
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			05/17/12 11:47	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 11:47	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 11:47	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 11:47	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 11:47	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 11:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 11:47	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 11:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 11:47	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 11:47	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 11:47	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 11:47	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 11:47	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 11:47	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 11:47	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 11:47	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 11:47	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 11:47	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 11:47	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 11:47	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 11:47	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 11:47	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 11:47	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 11:47	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 11:47	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 11:47	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 11:47	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 11:47	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 11:47	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 11:47	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 11:47	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 11:47	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 11:47	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 11:47	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 11:47	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 11:47	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 11:47	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 11:47	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 11:47	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 11:47	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 11:47	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 11:47	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 11:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 11:47	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/17/12 11:47*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*05/17/12 11:47*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/17/12 11:47*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-40
Date Collected: 05/14/12 12:57
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:56	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		05/23/12 15:00	05/23/12 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*71*		*60 - 140*	*05/23/12 15:00*	*05/23/12 21:56*	*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		05/29/12 11:16	05/30/12 13:59	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 13:59	1
Barium	**6.8**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 13:59	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 13:59	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 13:59	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 13:59	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:33	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 13:59	1
Iron	**41**	**I**	100	33	ug/L		05/29/12 11:16	05/30/12 13:59	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 13:59	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 13:59	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 13:59	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 13:59	1
Sodium	**17**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 13:59	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 13:59	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 13:59	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 13:59	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		05/18/12 14:22	05/22/12 15:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.3**		0.50	0.20	mg/L			05/29/12 13:17	1
Ammonia as N	**0.38**		0.020	0.010	mg/L			05/26/12 10:56	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:28	1
Total Dissolved Solids	**160**		10	10	mg/L			05/17/12 14:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.49**				SU			05/14/12 00:00	1
Field Temperature	**23.5**				Degrees C			05/14/12 00:00	1
Oxygen, Dissolved	**0.47**				mg/L			05/14/12 00:00	1
Specific Conductance	**346**				umhos/cm			05/14/12 00:00	1
Turbidity	**0.82**				NTU			05/14/12 00:00	1

Client Sample ID: TH-36A
Date Collected: 05/14/12 15:22
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-9
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			05/17/12 12:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 12:07	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 12:07	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 12:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 12:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 12:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 12:07	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 12:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 12:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 12:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 12:07	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 12:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 12:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 12:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 12:07	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 12:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 12:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 12:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 12:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 12:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 12:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 12:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 12:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 12:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 12:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 12:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 12:07	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 12:07	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 12:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 12:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 12:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 12:07	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 12:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 12:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 12:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 12:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 12:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 12:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 12:07	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 12:07	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 12:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 12:07	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 12:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 12:07	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/17/12 12:07*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/17/12 12:07*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/17/12 12:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-36A
Date Collected: 05/14/12 15:22
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-9
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0098	U	0.020	0.0098	ug/L		05/23/12 15:00	05/23/12 22:13	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		05/23/12 15:00	05/23/12 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*69*		*60 - 140*	*05/23/12 15:00*	*05/23/12 22:13*	*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		05/29/12 11:16	05/30/12 14:21	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 14:21	1
Barium	**7.4**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 14:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 14:21	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 14:21	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 14:21	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 03:55	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 14:21	1
Iron	33	U	100	33	ug/L		05/29/12 11:16	05/30/12 14:21	1
Lead	**0.32**	**I**	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 14:21	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 14:21	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 14:21	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 14:21	1
Sodium	**6.0**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 14:21	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 14:21	1
Vanadium	**42**		10	3.8	ug/L		05/29/12 11:16	05/30/12 14:21	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 14:21	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		05/18/12 14:22	05/22/12 15:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		0.50	0.20	mg/L			05/29/12 14:03	1
Ammonia as N	**0.028**		0.020	0.010	mg/L			05/26/12 10:57	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:29	1
Total Dissolved Solids	**160**		5.0	5.0	mg/L			05/17/12 14:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.44**				SU			05/14/12 15:22	1
Field Temperature	**25.5**				Degrees C			05/14/12 15:22	1
Oxygen, Dissolved	**1.57**				mg/L			05/14/12 15:22	1
Specific Conductance	**234**				umhos/cm			05/14/12 15:22	1
Turbidity	**8.86**				NTU			05/14/12 15:22	1

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-57
Date Collected: 05/14/12 13:38
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-10
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			05/17/12 12:28	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 12:28	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 12:28	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 12:28	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 12:28	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 12:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 12:28	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 12:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 12:28	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 12:28	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 12:28	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 12:28	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 12:28	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 12:28	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 12:28	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 12:28	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 12:28	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 12:28	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 12:28	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 12:28	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 12:28	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 12:28	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 12:28	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 12:28	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 12:28	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 12:28	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 12:28	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 12:28	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 12:28	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 12:28	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 12:28	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 12:28	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 12:28	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 12:28	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 12:28	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 12:28	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 12:28	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 12:28	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 12:28	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			05/17/12 12:28	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 12:28	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 12:28	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 12:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 12:28	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/17/12 12:28*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*05/17/12 12:28*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/17/12 12:28*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-57
Date Collected: 05/14/12 13:38
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-10
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 22:49	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*84*		*60 - 140*	*05/23/12 15:00*	*05/23/12 22:49*	*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		05/29/12 11:16	05/30/12 14:28	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 14:28	1
Barium	**6.4**		5.0	1.3	ug/L		05/29/12 11:16	05/30/12 14:28	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 14:28	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 14:28	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 14:28	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 04:02	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 14:28	1
Iron	**320**		100	33	ug/L		05/29/12 11:16	05/30/12 14:28	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 14:28	1
Nickel	**3.2**	I	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 14:28	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 14:28	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 14:28	1
Sodium	**10**		0.50	0.25	mg/L		05/29/12 11:16	05/30/12 14:28	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 14:28	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 14:28	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 14:28	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		05/18/12 14:22	05/22/12 15:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		0.50	0.20	mg/L			05/29/12 14:19	1
Ammonia as N	**0.84**		0.020	0.010	mg/L			05/26/12 10:58	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/15/12 14:33	1
Total Dissolved Solids	**82**		5.0	5.0	mg/L			05/17/12 14:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.92**				SU			05/14/12 13:38	1
Field Temperature	**26.0**				Degrees C			05/14/12 13:38	1
Oxygen, Dissolved	**0.34**				mg/L			05/14/12 13:38	1
Specific Conductance	**152**				umhos/cm			05/14/12 13:38	1
Turbidity	**0.32**				NTU			05/14/12 13:38	1

Client Sample ID: BLANK TRAVEL 47642
Date Collected: 05/14/12 09:27
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-11
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			05/16/12 15:29	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 15:29	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 15:29	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 15:29	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 15:29	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 15:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:29	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 15:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 15:29	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 15:29	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 15:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:29	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 15:29	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 15:29	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 15:29	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 15:29	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 15:29	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 15:29	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 15:29	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 15:29	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 15:29	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 15:29	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 15:29	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 15:29	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 15:29	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:29	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 15:29	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 15:29	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 15:29	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 15:29	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 15:29	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 15:29	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 15:29	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 15:29	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 15:29	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 15:29	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 15:29	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 15:29	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 15:29	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 15:29	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/16/12 15:29	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 15:29	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 15:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 15:29	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/16/12 15:29*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/16/12 15:29*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/16/12 15:29*	*1*

Client Sample ID: TH-67
Date Collected: 05/15/12 11:09
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-1
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 J3	20	9.9	ug/L			05/18/12 08:23	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 08:23	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 08:23	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 08:23	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 08:23	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 08:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:23	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 08:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 08:23	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 08:23	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 08:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:23	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 08:23	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 08:23	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 08:23	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 08:23	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 08:23	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 08:23	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 08:23	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 08:23	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 08:23	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 08:23	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 08:23	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 08:23	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 08:23	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:23	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 08:23	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 08:23	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 08:23	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 08:23	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 08:23	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 08:23	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 08:23	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 08:23	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 08:23	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 08:23	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 08:23	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 08:23	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 08:23	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:23	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 08:23	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 08:23	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 08:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 08:23	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*05/18/12 08:23*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*05/18/12 08:23*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*05/18/12 08:23*	*1*

Client Sample ID: TH-67
Date Collected: 05/15/12 11:09
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 15:36	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*123*		*60 - 140*	*05/16/12 13:34*	*05/17/12 15:36*	*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		05/29/12 11:41	05/30/12 02:38	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 02:38	1
Barium	**7.3**		5.0	1.3	ug/L		05/29/12 11:41	05/30/12 02:38	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 02:38	1
Cadmium	**0.18**	**I**	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 02:38	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 02:38	1
Cobalt	**0.63**		0.50	0.15	ug/L		05/29/12 11:41	05/30/12 02:38	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 02:38	1
Iron	**8900**		100	33	ug/L		05/29/12 11:41	05/30/12 02:38	1
Lead	**0.37**	**I**	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 02:38	1
Nickel	**4.3**	**I**	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 02:38	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 02:38	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 02:38	1
Sodium	**25**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 02:38	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 02:38	1
Vanadium	**5.4**	**I**	10	3.8	ug/L		05/29/12 11:41	05/30/12 02:38	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 02:38	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		05/18/12 10:12	05/22/12 12:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37**		2.0	0.80	mg/L			05/23/12 11:45	4
Ammonia as N	**0.55**		0.020	0.010	mg/L			05/19/12 11:10	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:31	1
Total Dissolved Solids	**290**		10	10	mg/L			05/17/12 14:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.25**				SU			05/15/12 11:09	1
Field Temperature	**24.3**				Degrees C			05/15/12 11:09	1
Oxygen, Dissolved	**0.63**				mg/L			05/15/12 11:09	1
Specific Conductance	**570**				umhos/cm			05/15/12 11:09	1
Turbidity	**2.40**				NTU			05/15/12 11:09	1

Client Sample ID: TH-61A
Date Collected: 05/15/12 12:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-2
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 J3	20	9.9	ug/L			05/18/12 08:41	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 08:41	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 08:41	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 08:41	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 08:41	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 08:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:41	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 08:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 08:41	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 08:41	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 08:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:41	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 08:41	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 08:41	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 08:41	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 08:41	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 08:41	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 08:41	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 08:41	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 08:41	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 08:41	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 08:41	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 08:41	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 08:41	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 08:41	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:41	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 08:41	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 08:41	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 08:41	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 08:41	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 08:41	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 08:41	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 08:41	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 08:41	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 08:41	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 08:41	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 08:41	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 08:41	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 08:41	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 08:41	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 08:41	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 08:41	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 08:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 08:41	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*05/18/12 08:41*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*05/18/12 08:41*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*05/18/12 08:41*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-61A
Date Collected: 05/15/12 12:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 15:54	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*121*		*60 - 140*	*05/16/12 13:34*	*05/17/12 15:54*	*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		05/29/12 11:41	05/30/12 02:45	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 02:45	1
Barium	**7.4**		5.0	1.3	ug/L		05/29/12 11:41	05/30/12 02:45	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 02:45	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 02:45	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 02:45	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 02:45	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 02:45	1
Iron	**240**		100	33	ug/L		05/29/12 11:41	05/30/12 02:45	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 02:45	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 02:45	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 02:45	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 02:45	1
Sodium	**3.2**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 02:45	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 02:45	1
Vanadium	**39**		10	3.8	ug/L		05/29/12 11:41	05/30/12 02:45	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 02:45	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		05/18/12 10:12	05/22/12 12:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.8**		0.50	0.20	mg/L			05/23/12 18:57	1
Ammonia as N	**0.41**		0.020	0.010	mg/L			05/19/12 11:12	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:35	1
Total Dissolved Solids	**100**		5.0	5.0	mg/L			05/17/12 14:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.68**				SU			05/15/12 12:58	1
Field Temperature	**25.8**				Degrees C			05/15/12 12:58	1
Oxygen, Dissolved	**1.87**				mg/L			05/15/12 12:58	1
Specific Conductance	**185**				umhos/cm			05/15/12 12:58	1
Turbidity	**3.47**				NTU			05/15/12 12:58	1

Client Sample ID: DUPLICATE NOT BLANK 47671
Date Collected: 05/15/12 00:00
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-3
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 J3	20	9.9	ug/L			05/18/12 10:31	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 10:31	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 10:31	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 10:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 10:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 10:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:31	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 10:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 10:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 10:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 10:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 10:31	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 10:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:31	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 10:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 10:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:31	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 10:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 10:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 10:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 10:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 10:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 10:31	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 10:31	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 10:31	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 10:31	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 10:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 10:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:31	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 10:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 10:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 10:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 10:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 10:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:31	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 10:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 10:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 10:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 10:31	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*05/18/12 10:31*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*05/18/12 10:31*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/18/12 10:31*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: DUPLICATE NOT BLANK 47671
Date Collected: 05/15/12 00:00
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 16:12	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*124*		*60 - 140*	*05/16/12 13:34*	*05/17/12 16:12*	*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		05/29/12 11:41	05/30/12 02:52	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 02:52	1
Barium	**5.9**		5.0	1.3	ug/L		05/29/12 11:41	05/30/12 02:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 02:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 02:52	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 02:52	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 02:52	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 02:52	1
Iron	33	U	100	33	ug/L		05/29/12 11:41	05/30/12 02:52	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 02:52	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 02:52	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 02:52	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 02:52	1
Sodium	**13**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 02:52	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 02:52	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:41	05/30/12 02:52	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 02:52	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		05/18/12 10:12	05/22/12 12:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.1**		0.50	0.20	mg/L			05/23/12 12:16	1
Ammonia as N	**0.38**		0.020	0.010	mg/L			05/19/12 11:13	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:36	1
Total Dissolved Solids	**180**		10	10	mg/L			05/21/12 07:00	1

Client Sample ID: TH-19
Date Collected: 05/15/12 13:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-4
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 J3	20	9.9	ug/L			05/18/12 10:49	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 10:49	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 10:49	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 10:49	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 10:49	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 10:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:49	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 10:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 10:49	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 10:49	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 10:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:49	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 10:49	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 10:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:49	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 10:49	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 10:49	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:49	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 10:49	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 10:49	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 10:49	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 10:49	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 10:49	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:49	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 10:49	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:49	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 10:49	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 10:49	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 10:49	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 10:49	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 10:49	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:49	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 10:49	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 10:49	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 10:49	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:49	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 10:49	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 10:49	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:49	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:49	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 10:49	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 10:49	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 10:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 10:49	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*05/18/12 10:49*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*05/18/12 10:49*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*05/18/12 10:49*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-19
Date Collected: 05/15/12 13:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 16:30	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*133*		*60 - 140*	*05/16/12 13:34*	*05/17/12 16:30*	*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		05/29/12 11:41	05/30/12 03:00	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 03:00	1
Barium	**5.7**		5.0	1.3	ug/L		05/29/12 11:41	05/30/12 03:00	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 03:00	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 03:00	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 03:00	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 03:00	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 03:00	1
Iron	33	U	100	33	ug/L		05/29/12 11:41	05/30/12 03:00	1
Lead	**0.32**	**I**	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 03:00	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 03:00	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 03:00	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 03:00	1
Sodium	**13**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 03:00	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 03:00	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:41	05/30/12 03:00	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 03:00	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		05/18/12 10:12	05/22/12 12:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.1**		0.50	0.20	mg/L			05/23/12 13:48	1
Ammonia as N	**0.35**		0.020	0.010	mg/L			05/19/12 11:14	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:37	1
Total Dissolved Solids	**200**		10	10	mg/L			05/17/12 14:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.52**				SU			05/15/12 13:58	1
Field Temperature	**23.6**				Degrees C			05/15/12 13:58	1
Oxygen, Dissolved	**1.44**				mg/L			05/15/12 13:58	1
Specific Conductance	**327**				umhos/cm			05/15/12 13:58	1
Turbidity	**0.26**				NTU			05/15/12 13:58	1

Client Sample ID: TH-22A
Date Collected: 05/15/12 10:21
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-5
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 J3	20	9.9	ug/L			05/18/12 11:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 11:07	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 11:07	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 11:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 11:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 11:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:07	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 11:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 11:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 11:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 11:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 11:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 11:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:07	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 11:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 11:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 11:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 11:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 11:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 11:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 11:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 11:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 11:07	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 11:07	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 11:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 11:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 11:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:07	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 11:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 11:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 11:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 11:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 11:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:07	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 11:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 11:07	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 11:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 11:07	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*05/18/12 11:07*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*05/18/12 11:07*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/18/12 11:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-22A
Date Collected: 05/15/12 10:21
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 16:47	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*60 - 140*	*05/16/12 13:34*	*05/17/12 16:47*	*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		05/29/12 11:41	05/30/12 03:07	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 03:07	1
Barium	**52**		5.0	1.3	ug/L		05/29/12 11:41	05/30/12 03:07	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 03:07	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 03:07	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 03:07	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 03:07	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 03:07	1
Iron	**390**		100	33	ug/L		05/29/12 11:41	05/30/12 03:07	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 03:07	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 03:07	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 03:07	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 03:07	1
Sodium	**4.3**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 03:07	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 03:07	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:41	05/30/12 03:07	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 03:07	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		05/18/12 10:12	05/22/12 12:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		0.50	0.20	mg/L			05/23/12 12:31	1
Ammonia as N	**0.61**		0.020	0.010	mg/L			05/19/12 11:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:38	1
Total Dissolved Solids	**120**		5.0	5.0	mg/L			05/21/12 07:02	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.35**				SU			05/15/12 10:21	1
Field Temperature	**22.5**				Degrees C			05/15/12 10:21	1
Oxygen, Dissolved	**0.77**				mg/L			05/15/12 10:21	1
Specific Conductance	**227**				umhos/cm			05/15/12 10:21	1
Turbidity	**1.93**				NTU			05/15/12 10:21	1

Client Sample ID: TH-66A
Date Collected: 05/15/12 11:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-6
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 J3	20	9.9	ug/L			05/18/12 11:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 11:25	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 11:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 11:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 11:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 11:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:25	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 11:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 11:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 11:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 11:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 11:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 11:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 11:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 11:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 11:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 11:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 11:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 11:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 11:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 11:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 11:25	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 11:25	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 11:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 11:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 11:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:25	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 11:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 11:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 11:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 11:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 11:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:25	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 11:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 11:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 11:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 11:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*05/18/12 11:25*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*05/18/12 11:25*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*05/18/12 11:25*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-66A
Date Collected: 05/15/12 11:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 13:50	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*125*		*60 - 140*	*05/16/12 13:34*	*05/17/12 13:50*	*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		05/29/12 11:41	05/30/12 03:14	1
Arsenic	**2.5**		2.5	1.3	ug/L		05/29/12 11:41	05/30/12 03:14	1
Barium	**3.0**	**I**	5.0	1.3	ug/L		05/29/12 11:41	05/30/12 03:14	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 03:14	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 03:14	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 03:14	1
Cobalt	**0.46**	**I**	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 03:14	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 03:14	1
Iron	**330**		100	33	ug/L		05/29/12 11:41	05/30/12 03:14	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 03:14	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 03:14	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 03:14	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 03:14	1
Sodium	**11**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 03:14	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 03:14	1
Vanadium	**32**		10	3.8	ug/L		05/29/12 11:41	05/30/12 03:14	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 03:14	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		05/18/12 10:12	05/22/12 12:53	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41**		1.0	0.40	mg/L			05/23/12 19:12	2
Ammonia as N	**0.54**		0.020	0.010	mg/L			05/19/12 11:17	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:39	1
Total Dissolved Solids	**170**		10	10	mg/L			05/21/12 07:04	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.01**				SU			05/15/12 11:43	1
Field Temperature	**25.7**				Degrees C			05/15/12 11:43	1
Oxygen, Dissolved	**1.52**				mg/L			05/15/12 11:43	1
Specific Conductance	**324**				umhos/cm			05/15/12 11:43	1
Turbidity	**1.94**				NTU			05/15/12 11:43	1

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-65
Date Collected: 05/15/12 12:28
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-7
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 J3	20	9.9	ug/L			05/18/12 11:43	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 11:43	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 11:43	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 11:43	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 11:43	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 11:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:43	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 11:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 11:43	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 11:43	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 11:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:43	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 11:43	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 11:43	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:43	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 11:43	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 11:43	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:43	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 11:43	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 11:43	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 11:43	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 11:43	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 11:43	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 11:43	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 11:43	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:43	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 11:43	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 11:43	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 11:43	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 11:43	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 11:43	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:43	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 11:43	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 11:43	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 11:43	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 11:43	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 11:43	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 11:43	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 11:43	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 11:43	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 11:43	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 11:43	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 11:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 11:43	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*05/18/12 11:43*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*05/18/12 11:43*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*05/18/12 11:43*	*1*

Client Sample ID: TH-65
Date Collected: 05/15/12 12:28
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 17:05	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		05/16/12 13:34	05/17/12 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*260*	*J1*	*60 - 140*	*05/16/12 13:34*	*05/17/12 17:05*	*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		05/29/12 11:41	05/30/12 03:22	1
Arsenic	**2.2**	**I**	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 03:22	1
Barium	1.3	U	5.0	1.3	ug/L		05/29/12 11:41	05/30/12 03:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 03:22	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 03:22	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 03:22	1
Cobalt	**0.24**	**I**	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 03:22	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 03:22	1
Iron	**1100**		100	33	ug/L		05/29/12 11:41	05/30/12 03:22	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 03:22	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 03:22	1
Selenium	**1.0**	**I**	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 03:22	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 03:22	1
Sodium	**13**		0.50	0.25	mg/L		05/29/12 11:41	05/30/12 03:22	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 03:22	1
Vanadium	**6.1**	**I**	10	3.8	ug/L		05/29/12 11:41	05/30/12 03:22	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 03:22	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		05/18/12 10:12	05/22/12 12:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		0.50	0.20	mg/L			05/23/12 13:02	1
Ammonia as N	**2.5**		0.020	0.010	mg/L			05/19/12 11:18	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:41	1
Total Dissolved Solids	**150**		5.0	5.0	mg/L			05/21/12 07:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.96**				SU			05/15/12 12:28	1
Field Temperature	**24.1**				Degrees C			05/15/12 12:28	1
Oxygen, Dissolved	**0.26**				mg/L			05/15/12 12:28	1
Specific Conductance	**242**				umhos/cm			05/15/12 12:28	1
Turbidity	**2.87**				NTU			05/15/12 12:28	1

Client Sample ID: BLANK EQUIPMENT 47671
Date Collected: 05/15/12 09:45
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-8
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 J3	20	9.9	ug/L			05/18/12 09:55	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 09:55	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 09:55	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 09:55	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 09:55	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 09:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 09:55	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 09:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 09:55	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 09:55	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 09:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 09:55	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 09:55	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 09:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 09:55	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 09:55	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 09:55	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 09:55	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 09:55	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 09:55	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 09:55	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 09:55	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 09:55	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 09:55	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 09:55	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 09:55	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 09:55	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 09:55	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 09:55	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 09:55	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 09:55	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 09:55	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 09:55	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 09:55	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 09:55	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 09:55	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 09:55	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 09:55	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 09:55	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 09:55	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 09:55	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 09:55	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 09:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 09:55	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*05/18/12 09:55*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*05/18/12 09:55*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*05/18/12 09:55*	*1*

Client Sample ID: BLANK EQUIPMENT 47671
Date Collected: 05/15/12 09:45
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 17:41	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*129*		*60 - 140*	*05/16/12 13:34*	*05/17/12 17:41*	*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		05/29/12 11:41	05/30/12 03:29	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 03:29	1
Barium	1.3	U	5.0	1.3	ug/L		05/29/12 11:41	05/30/12 03:29	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 03:29	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 03:29	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 03:29	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 03:29	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 03:29	1
Iron	33	U	100	33	ug/L		05/29/12 11:41	05/30/12 03:29	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 03:29	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 03:29	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 03:29	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 03:29	1
Sodium	**0.39**	**I**	0.50	0.25	mg/L		05/29/12 11:41	05/30/12 03:29	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 03:29	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:41	05/30/12 03:29	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 03:29	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		05/18/12 10:12	05/22/12 13:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/24/12 14:59	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			05/26/12 11:09	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/16/12 12:42	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			05/21/12 07:06	1

Client Sample ID: BLANK TRAVEL 47671
Date Collected: 05/15/12 09:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-9
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 J3	20	9.9	ug/L			05/18/12 10:13	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 10:13	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 10:13	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 10:13	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 10:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 10:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:13	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 10:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 10:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 10:13	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 10:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 10:13	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 10:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:13	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 10:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 10:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 10:13	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 10:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 10:13	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 10:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 10:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 10:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 10:13	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 10:13	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 10:13	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 10:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 10:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 10:13	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:13	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 10:13	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 10:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 10:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 10:13	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 10:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 10:13	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 10:13	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 10:13	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 10:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 10:13	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 10:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 10:13	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*05/18/12 10:13*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*05/18/12 10:13*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/18/12 10:13*	*1*

Client Sample ID: TH-69A
Date Collected: 05/16/12 11:36
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-1
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 J3	20	9.9	ug/L			05/18/12 12:01	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 12:01	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 12:01	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 12:01	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 12:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 12:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:01	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 12:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 12:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 12:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 12:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 12:01	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 12:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:01	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 12:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 12:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 12:01	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 12:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 12:01	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 12:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 12:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 12:01	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 12:01	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 12:01	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 12:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 12:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 12:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:01	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 12:01	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 12:01	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 12:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:01	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 12:01	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 12:01	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:01	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 12:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 12:01	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 12:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 12:01	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*05/18/12 12:01*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*05/18/12 12:01*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*05/18/12 12:01*	*1*

Client Sample ID: TH-69A
Date Collected: 05/16/12 11:36
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 00:53	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*72*		*60 - 140*	*05/23/12 15:00*	*05/24/12 00:53*	*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		05/25/12 12:23	05/29/12 22:22	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/25/12 12:23	05/29/12 22:22	1
Barium	**8.8**		5.0	1.3	ug/L		05/25/12 12:23	05/29/12 22:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 22:22	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 22:22	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 22:22	1
Cobalt	**0.16**	**I**	0.50	0.15	ug/L		05/25/12 12:23	05/29/12 22:22	1
Copper	1.1	U	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 22:22	1
Iron	**11000**		100	33	ug/L		05/25/12 12:23	05/29/12 22:22	1
Lead	**0.78**	**I**	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 22:22	1
Nickel	2.0	U	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 22:22	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 22:22	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 22:22	1
Sodium	**16**		0.50	0.25	mg/L		05/25/12 12:23	05/29/12 22:22	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 22:22	1
Vanadium	**3.9**	**I**	10	3.8	ug/L		05/25/12 12:23	05/29/12 22:22	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 22:22	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		05/18/12 10:12	05/22/12 12:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97**		2.0	0.80	mg/L			05/23/12 11:11	4
Ammonia as N	**0.084**	**J3**	0.020	0.010	mg/L			05/19/12 10:47	1
Nitrate as N	**0.29**	**I**	0.50	0.10	mg/L			05/17/12 12:50	1
Total Dissolved Solids	**330**		17	17	mg/L			05/21/12 11:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.81**				SU			05/16/12 11:36	1
Field Temperature	**24.3**				Degrees C			05/16/12 11:36	1
Oxygen, Dissolved	**0.99**				mg/L			05/16/12 11:36	1
Specific Conductance	**640**				umhos/cm			05/16/12 11:36	1
Turbidity	**49.2**				NTU			05/16/12 11:36	1

Client Sample ID: TH-71A
Date Collected: 05/16/12 11:03
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-2
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 J3	20	9.9	ug/L			05/18/12 12:19	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 12:19	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 12:19	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 12:19	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 12:19	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 12:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:19	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 12:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 12:19	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 12:19	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 12:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:19	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 12:19	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 12:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:19	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 12:19	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 12:19	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:19	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 12:19	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 12:19	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 12:19	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 12:19	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 12:19	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:19	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 12:19	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:19	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 12:19	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 12:19	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 12:19	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 12:19	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 12:19	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:19	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 12:19	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 12:19	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 12:19	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:19	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 12:19	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 12:19	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:19	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:19	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 12:19	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 12:19	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 12:19	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 12:19	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*05/18/12 12:19*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*05/18/12 12:19*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*05/18/12 12:19*	*1*

Client Sample ID: TH-71A
Date Collected: 05/16/12 11:03
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0098	U	0.020	0.0098	ug/L		05/23/12 15:00	05/24/12 01:11	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		05/23/12 15:00	05/24/12 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*83*		*60 - 140*	*05/23/12 15:00*	*05/24/12 01:11*	*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		05/25/12 12:23	05/29/12 22:30	1
Arsenic	**4.2**		2.5	1.3	ug/L		05/25/12 12:23	05/29/12 22:30	1
Barium	**14**		5.0	1.3	ug/L		05/25/12 12:23	05/29/12 22:30	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 22:30	1
Cadmium	**0.097**	**I**	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 22:30	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 22:30	1
Cobalt	**0.83**		0.50	0.15	ug/L		05/25/12 12:23	05/29/12 22:30	1
Copper	1.1	U	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 22:30	1
Iron	**29000**		100	33	ug/L		05/25/12 12:23	05/29/12 22:30	1
Lead	**0.21**	**I**	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 22:30	1
Nickel	**4.0**	**I**	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 22:30	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 22:30	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 22:30	1
Sodium	**6.2**		0.50	0.25	mg/L		05/25/12 12:23	05/29/12 22:30	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 22:30	1
Vanadium	**5.1**	**I**	10	3.8	ug/L		05/25/12 12:23	05/29/12 22:30	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 22:30	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		05/18/12 10:12	05/22/12 12:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**		2.0	0.80	mg/L			05/23/12 11:27	4
Ammonia as N	**1.6**		0.020	0.010	mg/L			05/19/12 10:51	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/17/12 12:54	1
Total Dissolved Solids	**380**		17	17	mg/L			05/21/12 11:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.84**				SU			05/16/12 11:03	1
Field Temperature	**23.5**				Degrees C			05/16/12 11:03	1
Oxygen, Dissolved	**0.39**				mg/L			05/16/12 11:03	1
Specific Conductance	**734**				umhos/cm			05/16/12 11:03	1
Turbidity	**9.43**				NTU			05/16/12 11:03	1

Client Sample ID: TH-70A
Date Collected: 05/16/12 12:07
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-3
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 J3	20	9.9	ug/L			05/18/12 12:37	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 12:37	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 12:37	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 12:37	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 12:37	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 12:37	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:37	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 12:37	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 12:37	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 12:37	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 12:37	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:37	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 12:37	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 12:37	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:37	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 12:37	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 12:37	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:37	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 12:37	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 12:37	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 12:37	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 12:37	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 12:37	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:37	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 12:37	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:37	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 12:37	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 12:37	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 12:37	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 12:37	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 12:37	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:37	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 12:37	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 12:37	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 12:37	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:37	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 12:37	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 12:37	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:37	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:37	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 12:37	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 12:37	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 12:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 12:37	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*05/18/12 12:37*	*1*
Dibromofluoromethane	*107*		*70 - 130*		*05/18/12 12:37*	*1*
Toluene-d8 (Surr)	*114*		*70 - 130*		*05/18/12 12:37*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-70A
Date Collected: 05/16/12 12:07
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 01:28	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*82*		*60 - 140*	*05/23/12 15:00*	*05/24/12 01:28*	*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		05/25/12 12:23	05/29/12 22:37	1
Arsenic	**4.4**		2.5	1.3	ug/L		05/25/12 12:23	05/29/12 22:37	1
Barium	**4.7**	**I**	5.0	1.3	ug/L		05/25/12 12:23	05/29/12 22:37	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 22:37	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 22:37	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 22:37	1
Cobalt	**0.19**	**I**	0.50	0.15	ug/L		05/25/12 12:23	05/29/12 22:37	1
Copper	1.1	U	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 22:37	1
Iron	**16000**		100	33	ug/L		05/25/12 12:23	05/29/12 22:37	1
Lead	0.20	U	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 22:37	1
Nickel	2.0	U	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 22:37	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 22:37	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 22:37	1
Sodium	**7.8**		0.50	0.25	mg/L		05/25/12 12:23	05/29/12 22:37	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 22:37	1
Vanadium	3.8	U	10	3.8	ug/L		05/25/12 12:23	05/29/12 22:37	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 22:37	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		05/18/12 10:12	05/22/12 12:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23**		2.0	0.80	mg/L			05/23/12 11:43	4
Ammonia as N	**0.84**		0.020	0.010	mg/L			05/19/12 10:52	1
Nitrate as N	**0.12**	**I**	0.50	0.10	mg/L			05/17/12 12:55	1
Total Dissolved Solids	**220**		10	10	mg/L			05/21/12 11:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.20**				SU			05/16/12 12:07	1
Field Temperature	**24.3**				Degrees C			05/16/12 12:07	1
Oxygen, Dissolved	**0.62**				mg/L			05/16/12 12:07	1
Specific Conductance	**418**				umhos/cm			05/16/12 12:07	1
Turbidity	**79.4**				NTU			05/16/12 12:07	1

Client Sample ID: TH-64
Date Collected: 05/16/12 10:26
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-4
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 J3	20	9.9	ug/L			05/18/12 12:55	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 12:55	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 12:55	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 12:55	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 12:55	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 12:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:55	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 12:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 12:55	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 12:55	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 12:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:55	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 12:55	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 12:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:55	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 12:55	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 12:55	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:55	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 12:55	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 12:55	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 12:55	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 12:55	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 12:55	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 12:55	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 12:55	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:55	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 12:55	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 12:55	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 12:55	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 12:55	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 12:55	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:55	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 12:55	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 12:55	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 12:55	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 12:55	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 12:55	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 12:55	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 12:55	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 12:55	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 12:55	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 12:55	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 12:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 12:55	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*05/18/12 12:55*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*05/18/12 12:55*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*05/18/12 12:55*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: TH-64
Date Collected: 05/16/12 10:26
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 01:46	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*83*		*60 - 140*	*05/23/12 15:00*	*05/24/12 01:46*	*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		05/25/12 12:23	05/29/12 22:44	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/25/12 12:23	05/29/12 22:44	1
Barium	**19**		5.0	1.3	ug/L		05/25/12 12:23	05/29/12 22:44	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 22:44	1
Cadmium	**0.18**	**I**	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 22:44	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 22:44	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/25/12 12:23	05/29/12 22:44	1
Copper	1.1	U	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 22:44	1
Iron	**260**		100	33	ug/L		05/25/12 12:23	05/29/12 22:44	1
Lead	0.20	U	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 22:44	1
Nickel	2.0	U	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 22:44	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 22:44	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 22:44	1
Sodium	**8.4**		0.50	0.25	mg/L		05/25/12 12:23	05/29/12 22:44	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 22:44	1
Vanadium	**8.3**	**I**	10	3.8	ug/L		05/25/12 12:23	05/29/12 22:44	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 22:44	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		05/18/12 10:12	05/22/12 12:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21**		0.50	0.20	mg/L			05/23/12 11:58	1
Ammonia as N	**0.54**		0.020	0.010	mg/L			05/19/12 10:53	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/17/12 12:56	1
Total Dissolved Solids	**180**		5.0	5.0	mg/L			05/21/12 11:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.73**				SU			05/16/12 10:26	1
Field Temperature	**25.0**				Degrees C			05/16/12 10:26	1
Oxygen, Dissolved	**0.61**				mg/L			05/16/12 10:26	1
Specific Conductance	**255**				umhos/cm			05/16/12 10:26	1
Turbidity	**5.10**				NTU			05/16/12 10:26	1

Client Sample ID: BLANK EQUIPMENT 47707
Date Collected: 05/16/12 09:55
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-5
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 J3	20	9.9	ug/L			05/18/12 13:13	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 13:13	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 13:13	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 13:13	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 13:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 13:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:13	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 13:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 13:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 13:13	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 13:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 13:13	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 13:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 13:13	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 13:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 13:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 13:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 13:13	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 13:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 13:13	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 13:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 13:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 13:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 13:13	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 13:13	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 13:13	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 13:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 13:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 13:13	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 13:13	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 13:13	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 13:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 13:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 13:13	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 13:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 13:13	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 13:13	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:13	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 13:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 13:13	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 13:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 13:13	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*05/18/12 13:13*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*05/18/12 13:13*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*		*05/18/12 13:13*	*1*

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: BLANK EQUIPMENT 47707
Date Collected: 05/16/12 09:55
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 02:21	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/24/12 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*105*		*60 - 140*	*05/23/12 15:00*	*05/24/12 02:21*	*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		05/25/12 12:23	05/29/12 22:52	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/25/12 12:23	05/29/12 22:52	1
Barium	1.3	U	5.0	1.3	ug/L		05/25/12 12:23	05/29/12 22:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 22:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 22:52	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 22:52	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/25/12 12:23	05/29/12 22:52	1
Copper	**1.9**	**I**	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 22:52	1
Iron	33	U	100	33	ug/L		05/25/12 12:23	05/29/12 22:52	1
Lead	0.20	U	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 22:52	1
Nickel	2.0	U	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 22:52	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 22:52	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 22:52	1
Sodium	**0.51**		0.50	0.25	mg/L		05/25/12 12:23	05/29/12 22:52	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 22:52	1
Vanadium	3.8	U	10	3.8	ug/L		05/25/12 12:23	05/29/12 22:52	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 22:52	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		05/18/12 10:12	05/22/12 12:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/23/12 12:14	1
Ammonia as N	**0.16**		0.020	0.010	mg/L			05/19/12 10:54	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			05/17/12 12:57	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			05/21/12 13:57	1

Client Sample ID: BLANK TRAVEL 47707
Date Collected: 05/16/12 09:52
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-6
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 J3	20	9.9	ug/L			05/18/12 13:31	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 13:31	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 13:31	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 13:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 13:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 13:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:31	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 13:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 13:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 13:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 13:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 13:31	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 13:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 13:31	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 13:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 13:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 13:31	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 13:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 13:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 13:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 13:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 13:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 13:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 13:31	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 13:31	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 13:31	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 13:31	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 13:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 13:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 13:31	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 13:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 13:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 13:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 13:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 13:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 13:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 13:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 13:31	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 13:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 13:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 13:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 13:31	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*05/18/12 13:31*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*05/18/12 13:31*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*05/18/12 13:31*	*1*

Surrogate Summary

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

TestAmerica Job ID: 660-47642-1

Method: 8260B - VOC

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-47642-1	BLANK EQUIPMENT 47642	97	90	104
660-47642-2	WEEKS	94	91	104
660-47642-3	KEEN JR	93	92	104
660-47642-4	HOLLAND	93	91	105
660-47642-5	BARNES	94	92	105

Surrogate Legend

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

Method: 8260B - VOC

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-47662-B-1 DU	Duplicate	93	91	105
660-47662-B-2 MS	Matrix Spike	96	91	102
LCS 660-124542/4	Lab Control Sample	97	94	100
MB 660-124542/6	Method Blank	93	92	104

Surrogate Legend

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

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-47642-6	TH-28A	94	92	104
660-47642-6 DU	TH-28A	95	92	105
660-47642-7	TH-58	95	92	105
660-47642-7 MS	TH-58	95	93	101
660-47642-8	TH-40	94	91	104
660-47642-9	TH-36A	94	92	105
660-47642-10	TH-57	95	91	103
660-47642-11	BLANK TRAVEL 47642	94	92	105
660-47671-1	TH-67	109	105	113
660-47671-1 DU	TH-67	105	102	111
660-47671-2	TH-61A	108	105	111
660-47671-2 MS	TH-61A	98	97	106
660-47671-3	DUPLICATE NOT BLANK 47671	107	103	112
660-47671-4	TH-19	107	100	111
660-47671-5	TH-22A	108	109	112
660-47671-6	TH-66A	106	103	113
660-47671-7	TH-65	107	103	115
660-47671-8	BLANK EQUIPMENT 47671	105	101	110

Surrogate Summary

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

TestAmerica Job ID: 660-47642-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-47671-9	BLANK TRAVEL 47671	106	99	112
660-47707-1	TH-69A	106	102	113
660-47707-2	TH-71A	105	105	112
660-47707-3	TH-70A	107	107	114
660-47707-4	TH-64	109	110	113
660-47707-5	BLANK EQUIPMENT 47707	108	106	115
660-47707-6	BLANK TRAVEL 47707	106	109	117

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
LCS 660-124635/4	Lab Control Sample	97	93	101
LCS 660-124707/3	Lab Control Sample	100	100	104
MB 660-124635/6	Method Blank	94	92	105
MB 660-124707/5	Method Blank	107	103	109

Surrogate Legend

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

Method: 8011 - EDB and DBCP in Water by Microextraction

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCEA2 (60-140)
660-47642-1	BLANK EQUIPMENT 47642	76
660-47642-2	WEEKS	64
660-47642-3	KEEN JR	69
660-47642-4	HOLLAND	76
660-47642-5	BARNES	61
660-47642-9 MS	TH-36A	82
660-47642-10 DU	TH-57	73

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Surrogate Summary

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

TestAmerica Job ID: 660-47642-1

Method: 8011 - EDB and DBCP in Water by Microextraction

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TCEA2 (60-140)
LCS 660-124843/10-A	Lab Control Sample	91
MB 660-124843/9-A	Method Blank	28 J1

Surrogate Legend
TCEA = 1,1,1,2-Tetrachloroethane

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TCEA2 (60-140)
660-47642-6	TH-28A	71
660-47642-7	TH-58	73
660-47642-8	TH-40	71
660-47642-9	TH-36A	69
660-47642-10	TH-57	84
660-47671-1	TH-67	123
660-47671-2	TH-61A	121
660-47671-3	DUPLICATE NOT BLANK 47671	124
660-47671-4	TH-19	133
660-47671-5	TH-22A	122
660-47671-6	TH-66A	125
660-47671-6 MS	TH-66A	96
660-47671-7	TH-65	260 J1
660-47671-7 DU	TH-65	121
660-47671-8	BLANK EQUIPMENT 47671	129
660-47707-1	TH-69A	72
660-47707-2	TH-71A	83
660-47707-3	TH-70A	82
660-47707-4	TH-64	83
660-47707-4 DU	TH-64	87
660-47707-5	BLANK EQUIPMENT 47707	105

Surrogate Legend
TCEA = 1,1,1,2-Tetrachloroethane

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) TCEA2 (60-140)
LCS 660-124551/10-A	Lab Control Sample	99
MB 660-124551/9-A	Method Blank	122

Surrogate Legend
TCEA = 1,1,1,2-Tetrachloroethane

Method: 8260B - VOC

Lab Sample ID: MB 660-124542/6
Matrix: Water
Analysis Batch: 124542

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			05/16/12 10:42	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/16/12 10:42	1
Benzene	0.50	U	1.0	0.50	ug/L			05/16/12 10:42	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/16/12 10:42	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/16/12 10:42	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/16/12 10:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/12 10:42	1
2-Butanone	8.4	U	10	8.4	ug/L			05/16/12 10:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/12 10:42	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/16/12 10:42	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/16/12 10:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/12 10:42	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/16/12 10:42	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/16/12 10:42	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 10:42	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/16/12 10:42	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/16/12 10:42	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/16/12 10:42	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/16/12 10:42	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/16/12 10:42	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/16/12 10:42	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/16/12 10:42	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/16/12 10:42	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/16/12 10:42	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/16/12 10:42	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/16/12 10:42	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/16/12 10:42	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/16/12 10:42	1
Styrene	0.98	U	2.0	0.98	ug/L			05/16/12 10:42	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/16/12 10:42	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/16/12 10:42	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 10:42	1
Toluene	0.51	U	1.0	0.51	ug/L			05/16/12 10:42	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/16/12 10:42	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/16/12 10:42	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/16/12 10:42	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/16/12 10:42	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/16/12 10:42	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/16/12 10:42	1
Chloroform	0.90	U	1.0	0.90	ug/L			05/16/12 10:42	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/16/12 10:42	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/16/12 10:42	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/16/12 10:42	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/16/12 10:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/12 10:42	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/16/12 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*05/16/12 10:42*	*1*

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 660-124542/6
Matrix: Water
Analysis Batch: 124542

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	92		70 - 130		05/16/12 10:42	1
Toluene-d8 (Surr)	104		70 - 130		05/16/12 10:42	1

Lab Sample ID: LCS 660-124542/4
Matrix: Water
Analysis Batch: 124542

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	47.6		ug/L		119	62 - 142
Acrylonitrile	40.0	32.3		ug/L		81	59 - 146
Benzene	20.0	16.9		ug/L		85	68 - 134
Bromochloromethane	20.0	18.8		ug/L		94	70 - 130
Bromodichloromethane	20.0	16.7		ug/L		84	70 - 130
Bromoform	20.0	14.8		ug/L		74	65 - 130
Bromomethane	20.0	18.3		ug/L		91	22 - 150
2-Butanone	40.0	40.1		ug/L		100	63 - 140
Carbon disulfide	40.0	34.3		ug/L		86	30 - 150
Carbon tetrachloride	20.0	13.9		ug/L		69	61 - 134
Chlorobenzene	20.0	19.6		ug/L		98	70 - 130
Chloroethane	20.0	16.7		ug/L		84	39 - 150
Chloromethane	20.0	11.7		ug/L		59	35 - 150
cis-1,2-Dichloroethene	20.0	15.0		ug/L		75	66 - 130
cis-1,3-Dichloropropene	20.0	17.3		ug/L		86	70 - 130
Dibromochloromethane	20.0	16.6		ug/L		83	70 - 130
Dibromomethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	70 - 130
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	70 - 130
1,1-Dichloroethane	20.0	15.3		ug/L		76	66 - 130
1,2-Dichloroethane	20.0	18.8		ug/L		94	70 - 130
1,1-Dichloroethene	20.0	13.8		ug/L		69	51 - 150
1,2-Dichloropropane	20.0	16.6		ug/L		83	70 - 130
Ethylbenzene	20.0	19.8		ug/L		99	70 - 130
2-Hexanone	40.0	42.2		ug/L		106	60 - 148
Iodomethane	40.0	28.3		ug/L		71	70 - 130
Methylene Chloride	20.0	15.3		ug/L		77	57 - 130
4-Methyl-2-pentanone	40.0	46.2		ug/L		115	64 - 137
Styrene	20.0	20.6		ug/L		103	68 - 131
1,1,1,2-Tetrachloroethane	20.0	17.4		ug/L		87	70 - 130
1,1,2,2-Tetrachloroethane	20.0	17.4		ug/L		87	70 - 130
Tetrachloroethene	20.0	19.2		ug/L		96	50 - 143
Toluene	20.0	18.3		ug/L		91	70 - 131
trans-1,4-Dichloro-2-butene	40.0	37.7		ug/L		94	70 - 130
trans-1,2-Dichloroethene	20.0	14.3		ug/L		71	62 - 139
trans-1,3-Dichloropropene	20.0	15.5		ug/L		77	67 - 130
1,1,1-Trichloroethane	20.0	13.6		ug/L		68	63 - 132
1,1,2-Trichloroethane	20.0	18.1		ug/L		90	70 - 130
Trichloroethene	20.0	14.3		ug/L		72	63 - 139
Chloroform	20.0	18.0		ug/L		90	68 - 130
Trichlorofluoromethane	20.0	23.4		ug/L		117	62 - 146

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 660-124542/4
Matrix: Water
Analysis Batch: 124542

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloromethane	20.0	18.0		ug/L		90	68 - 130
1,2,3-Trichloropropane	20.0	18.4		ug/L		92	66 - 130
Vinyl acetate	20.0	21.1		ug/L		105	31 - 146
Vinyl chloride	20.0	13.3		ug/L		66	48 - 147
Xylenes, Total	60.0	59.9		ug/L		100	68 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 660-47662-B-2 MS
Matrix: Water
Analysis Batch: 124542

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	38.1		ug/L		95	62 - 142
Acrylonitrile	1.2	U	40.0	33.8		ug/L		84	59 - 146
Benzene	0.50	U	20.0	18.7		ug/L		94	68 - 134
Bromochloromethane	0.58	U	20.0	20.2		ug/L		101	70 - 130
Bromodichloromethane	3.3		20.0	22.2		ug/L		94	70 - 130
Bromoform	0.58	U	20.0	16.1		ug/L		80	65 - 130
Bromomethane	2.5	U	20.0	18.2		ug/L		91	22 - 150
2-Butanone	8.4	U	40.0	39.2		ug/L		98	63 - 140
Carbon disulfide	1.0	U	40.0	35.2		ug/L		88	30 - 150
Carbon tetrachloride	0.42	U	20.0	14.8		ug/L		74	61 - 134
Chlorobenzene	0.63	U	20.0	22.1		ug/L		111	70 - 130
Chloroethane	2.5	U	20.0	17.5		ug/L		87	39 - 150
Chloromethane	1.0	U	20.0	11.5		ug/L		57	35 - 150
cis-1,2-Dichloroethene	1.9		20.0	18.4		ug/L		83	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	19.7		ug/L		98	70 - 130
Dibromochloromethane	1.2		20.0	20.1		ug/L		95	70 - 130
Dibromomethane	0.41	U	20.0	20.5		ug/L		102	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	23.2		ug/L		116	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethane	0.52	U	20.0	16.6		ug/L		83	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.4		ug/L		102	70 - 130
1,1-Dichloroethene	0.45	U	20.0	14.7		ug/L		74	51 - 150
1,2-Dichloropropane	0.52	U	20.0	19.1		ug/L		95	70 - 130
Ethylbenzene	0.44	U	20.0	22.4		ug/L		112	70 - 130
2-Hexanone	4.4	U	40.0	44.1		ug/L		110	60 - 148
Iodomethane	2.5	U	40.0	29.9		ug/L		75	70 - 130
Methylene Chloride	4.0	U	20.0	17.0		ug/L		85	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	51.0		ug/L		127	64 - 137
Styrene	0.98	U	20.0	23.4		ug/L		117	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.5		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	19.5		ug/L		97	70 - 130
Tetrachloroethene	0.50	U	20.0	21.1		ug/L		105	50 - 143
Toluene	0.52	I	20.0	21.9		ug/L		107	70 - 131

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-47662-B-2 MS
Matrix: Water
Analysis Batch: 124542

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
trans-1,4-Dichloro-2-butene	2.5	U	40.0	39.4		ug/L		99	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	16.7		ug/L		84	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	14.9		ug/L		74	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.4		ug/L		102	70 - 130
Trichloroethene	0.50	U	20.0	15.7		ug/L		78	63 - 139
Chloroform	17		20.0	36.1		ug/L		93	68 - 130
Trichlorofluoromethane	2.5	U	20.0	22.6		ug/L		113	62 - 146
Trichloromethane	17		20.0	36.1		ug/L		93	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	20.3		ug/L		101	66 - 130
Vinyl acetate	1.5	U	20.0	21.4		ug/L		107	31 - 146
Vinyl chloride	1.1		20.0	14.0		ug/L		65	48 - 147
Xylenes, Total	0.50	U	60.0	67.9		ug/L		113	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*91*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-47662-B-1 DU
Matrix: Water
Analysis Batch: 124542

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD 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	0.93	I	0.714	I	ug/L		27	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	1.4	I	1.47	I	ug/L		6	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	87		103		ug/L		16	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

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-47662-B-1 DU
Matrix: Water
Analysis Batch: 124542

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
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	3.8		6.56	J3	ug/L		54	30
Toluene	2.9		2.91		ug/L		2	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	11		14.7		ug/L		25	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	10		14.6	J3	ug/L		37	30
Chloroform	13		12.5		ug/L		6	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
Trichloromethane	13		12.5		ug/L		6	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	38		46.9		ug/L		21	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*91*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 660-124635/6
Matrix: Water
Analysis Batch: 124635

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			05/17/12 08:42	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/17/12 08:42	1
Benzene	0.50	U	1.0	0.50	ug/L			05/17/12 08:42	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/17/12 08:42	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/17/12 08:42	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/17/12 08:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/12 08:42	1
2-Butanone	8.4	U	10	8.4	ug/L			05/17/12 08:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/12 08:42	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/17/12 08:42	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/17/12 08:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/12 08:42	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/17/12 08:42	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/17/12 08:42	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 08:42	1

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

Lab Sample ID: MB 660-124635/6
Matrix: Water
Analysis Batch: 124635

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/17/12 08:42	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/17/12 08:42	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/17/12 08:42	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/17/12 08:42	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/17/12 08:42	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/17/12 08:42	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/17/12 08:42	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/17/12 08:42	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/17/12 08:42	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/17/12 08:42	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/17/12 08:42	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/17/12 08:42	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/17/12 08:42	1
Styrene	0.98	U	2.0	0.98	ug/L			05/17/12 08:42	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/17/12 08:42	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/17/12 08:42	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 08:42	1
Toluene	0.51	U	1.0	0.51	ug/L			05/17/12 08:42	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/17/12 08:42	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/17/12 08:42	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/17/12 08:42	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/17/12 08:42	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/17/12 08:42	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/17/12 08:42	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/17/12 08:42	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/17/12 08:42	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/17/12 08:42	1
Vinyl acetate	1.5	U	10	1.5	ug/L			05/17/12 08:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/12 08:42	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/17/12 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/17/12 08:42*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*05/17/12 08:42*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/17/12 08:42*	*1*

Lab Sample ID: LCS 660-124635/4
Matrix: Water
Analysis Batch: 124635

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	40.5		ug/L		101	62 - 142
Acrylonitrile	40.0	31.4		ug/L		79	59 - 146
Benzene	20.0	18.3		ug/L		91	68 - 134
Bromochloromethane	20.0	19.2		ug/L		96	70 - 130
Bromodichloromethane	20.0	17.7		ug/L		89	70 - 130
Bromoform	20.0	15.3		ug/L		77	65 - 130
Bromomethane	20.0	23.9		ug/L		120	22 - 150
2-Butanone	40.0	39.5		ug/L		99	63 - 140

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

Lab Sample ID: LCS 660-124635/4
Matrix: Water
Analysis Batch: 124635

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	40.0	36.9		ug/L		92	30 - 150
Carbon tetrachloride	20.0	16.3		ug/L		82	61 - 134
Chlorobenzene	20.0	21.2		ug/L		106	70 - 130
Chloroethane	20.0	30.3	J3	ug/L		152	39 - 150
Chloromethane	20.0	17.1		ug/L		86	35 - 150
cis-1,2-Dichloroethene	20.0	16.2		ug/L		81	66 - 130
cis-1,3-Dichloropropene	20.0	18.0		ug/L		90	70 - 130
Dibromochloromethane	20.0	17.5		ug/L		88	70 - 130
Dibromomethane	20.0	19.5		ug/L		98	70 - 130
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	16.5		ug/L		82	66 - 130
1,2-Dichloroethane	20.0	19.5		ug/L		97	70 - 130
1,1-Dichloroethene	20.0	15.9		ug/L		79	51 - 150
1,2-Dichloropropane	20.0	17.7		ug/L		88	70 - 130
Ethylbenzene	20.0	21.8		ug/L		109	70 - 130
2-Hexanone	40.0	44.0		ug/L		110	60 - 148
Iodomethane	40.0	32.9		ug/L		82	70 - 130
Methylene Chloride	20.0	15.9		ug/L		80	57 - 130
4-Methyl-2-pentanone	40.0	47.7		ug/L		119	64 - 137
Styrene	20.0	22.0		ug/L		110	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	70 - 130
Tetrachloroethene	20.0	21.9		ug/L		110	50 - 143
Toluene	20.0	20.7		ug/L		104	70 - 131
trans-1,4-Dichloro-2-butene	40.0	38.2		ug/L		96	70 - 130
trans-1,2-Dichloroethene	20.0	16.0		ug/L		80	62 - 139
trans-1,3-Dichloropropene	20.0	15.8		ug/L		79	67 - 130
1,1,1-Trichloroethane	20.0	15.9		ug/L		80	63 - 132
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	70 - 130
Trichloroethene	20.0	16.0		ug/L		80	63 - 139
Trichlorofluoromethane	20.0	31.2	J3	ug/L		156	62 - 146
Trichloromethane	20.0	19.1		ug/L		95	68 - 130
1,2,3-Trichloropropane	20.0	18.9		ug/L		95	66 - 130
Vinyl acetate	20.0	21.6		ug/L		108	31 - 146
Vinyl chloride	20.0	18.4		ug/L		92	48 - 147
Xylenes, Total	60.0	65.8		ug/L		110	68 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*93*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-47642-7 MS
Matrix: Ground Water
Analysis Batch: 124635

Client Sample ID: TH-58
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	49.2		ug/L		123	62 - 142

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

Lab Sample ID: 660-47642-7 MS
Matrix: Ground Water
Analysis Batch: 124635

Client Sample ID: TH-58
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrylonitrile	1.2	U	40.0	32.8		ug/L		82	59 - 146
Benzene	0.50	U	20.0	18.4		ug/L		92	68 - 134
Bromochloromethane	0.58	U	20.0	20.1		ug/L		100	70 - 130
Bromodichloromethane	0.35	U	20.0	18.9		ug/L		94	70 - 130
Bromoform	0.58	U	20.0	16.2		ug/L		81	65 - 130
Bromomethane	2.5	U	20.0	19.6		ug/L		98	22 - 150
2-Butanone	8.4	U	40.0	42.7		ug/L		107	63 - 140
Carbon disulfide	1.0	U	40.0	38.5		ug/L		96	30 - 150
Carbon tetrachloride	0.42	U	20.0	15.4		ug/L		77	61 - 134
Chlorobenzene	0.63	U	20.0	21.8		ug/L		109	70 - 130
Chloroethane	2.5	U J3	20.0	25.3		ug/L		127	39 - 150
Chloromethane	1.0	U	20.0	15.7		ug/L		79	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	16.3		ug/L		81	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	18.8		ug/L		94	70 - 130
Dibromochloromethane	0.34	U	20.0	18.3		ug/L		92	70 - 130
Dibromomethane	0.41	U	20.0	20.1		ug/L		101	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	22.6		ug/L		113	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethane	0.52	U	20.0	16.4		ug/L		82	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.0		ug/L		100	70 - 130
1,1-Dichloroethene	0.45	U	20.0	14.6		ug/L		73	51 - 150
1,2-Dichloropropane	0.52	U	20.0	18.6		ug/L		93	70 - 130
Ethylbenzene	0.44	U	20.0	22.0		ug/L		110	70 - 130
2-Hexanone	4.4	U	40.0	47.3		ug/L		118	60 - 148
Iodomethane	2.5	U	40.0	32.4		ug/L		81	70 - 130
Methylene Chloride	4.0	U	20.0	16.0		ug/L		80	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	50.1		ug/L		125	64 - 137
Styrene	0.98	U	20.0	22.7		ug/L		114	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.1		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	19.5		ug/L		97	70 - 130
Tetrachloroethene	0.50	U	20.0	22.3		ug/L		112	50 - 143
Toluene	0.51	U	20.0	21.0		ug/L		105	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	40.2		ug/L		100	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	16.5		ug/L		83	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	15.1		ug/L		76	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.5		ug/L		98	70 - 130
Trichloroethene	0.50	U	20.0	15.7		ug/L		78	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	31.9	J3	ug/L		159	62 - 146
Trichloromethane	0.90	U	20.0	19.5		ug/L		98	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	19.9		ug/L		99	66 - 130
Vinyl acetate	1.5	U	20.0	22.3		ug/L		112	31 - 146
Vinyl chloride	0.50	U	20.0	18.2		ug/L		91	48 - 147
Xylenes, Total	0.50	U	60.0	66.9		ug/L		111	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*93*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: 660-47642-6 DU
Matrix: Ground Water
Analysis Batch: 124635

Client Sample ID: TH-28A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD 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	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 J3	2.5	U J3	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 J3	2.5	U J3	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 %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*

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

Lab Sample ID: 660-47642-6 DU
Matrix: Ground Water
Analysis Batch: 124635

Client Sample ID: TH-28A
Prep Type: Total/NA

Surrogate	DU %Recovery	DU Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: MB 660-124707/5
Matrix: Water
Analysis Batch: 124707

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			05/18/12 07:58	1
Acrylonitrile	1.2	U	10	1.2	ug/L			05/18/12 07:58	1
Benzene	0.50	U	1.0	0.50	ug/L			05/18/12 07:58	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			05/18/12 07:58	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			05/18/12 07:58	1
Bromoform	0.58	U	1.0	0.58	ug/L			05/18/12 07:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/12 07:58	1
2-Butanone	8.4	U	10	8.4	ug/L			05/18/12 07:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/12 07:58	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			05/18/12 07:58	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			05/18/12 07:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/12 07:58	1
Chloromethane	1.0	U	4.0	1.0	ug/L			05/18/12 07:58	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			05/18/12 07:58	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 07:58	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			05/18/12 07:58	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			05/18/12 07:58	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			05/18/12 07:58	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			05/18/12 07:58	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			05/18/12 07:58	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			05/18/12 07:58	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			05/18/12 07:58	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			05/18/12 07:58	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			05/18/12 07:58	1
2-Hexanone	4.4	U	10	4.4	ug/L			05/18/12 07:58	1
Iodomethane	2.5	U	5.0	2.5	ug/L			05/18/12 07:58	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			05/18/12 07:58	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			05/18/12 07:58	1
Styrene	0.98	U	2.0	0.98	ug/L			05/18/12 07:58	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			05/18/12 07:58	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			05/18/12 07:58	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 07:58	1
Toluene	0.51	U	1.0	0.51	ug/L			05/18/12 07:58	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			05/18/12 07:58	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			05/18/12 07:58	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			05/18/12 07:58	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			05/18/12 07:58	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			05/18/12 07:58	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			05/18/12 07:58	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			05/18/12 07:58	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			05/18/12 07:58	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			05/18/12 07:58	1

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

Lab Sample ID: MB 660-124707/5
Matrix: Water
Analysis Batch: 124707

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	1.5	U	10	1.5	ug/L			05/18/12 07:58	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/12 07:58	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			05/18/12 07:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*05/18/12 07:58*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*05/18/12 07:58*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*05/18/12 07:58*	*1*

Lab Sample ID: LCS 660-124707/3
Matrix: Water
Analysis Batch: 124707

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	61.1	J3	ug/L		153	62 - 142
Acrylonitrile	40.0	35.1		ug/L		88	59 - 146
Benzene	20.0	19.5		ug/L		98	68 - 134
Bromochloromethane	20.0	18.4		ug/L		92	70 - 130
Bromodichloromethane	20.0	18.6		ug/L		93	70 - 130
Bromoform	20.0	15.8		ug/L		79	65 - 130
Bromomethane	20.0	29.3		ug/L		146	22 - 150
2-Butanone	40.0	40.4		ug/L		101	63 - 140
Carbon disulfide	40.0	39.1		ug/L		98	30 - 150
Carbon tetrachloride	20.0	17.8		ug/L		89	61 - 134
Chlorobenzene	20.0	18.5		ug/L		93	70 - 130
Chloroethane	20.0	26.5		ug/L		133	39 - 150
Chloromethane	20.0	22.7		ug/L		114	35 - 150
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	66 - 130
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	70 - 130
Dibromochloromethane	20.0	16.8		ug/L		84	70 - 130
Dibromomethane	20.0	17.1		ug/L		86	70 - 130
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
1,1-Dichloroethane	20.0	18.9		ug/L		95	66 - 130
1,2-Dichloroethane	20.0	19.2		ug/L		96	70 - 130
1,1-Dichloroethene	20.0	16.4		ug/L		82	51 - 150
1,2-Dichloropropane	20.0	19.0		ug/L		95	70 - 130
Ethylbenzene	20.0	18.5		ug/L		93	70 - 130
2-Hexanone	40.0	43.1		ug/L		108	60 - 148
Iodomethane	40.0	32.6		ug/L		82	70 - 130
Methylene Chloride	20.0	18.7		ug/L		93	57 - 130
4-Methyl-2-pentanone	40.0	38.7		ug/L		97	64 - 137
Styrene	20.0	19.0		ug/L		95	68 - 131
1,1,1,2-Tetrachloroethane	20.0	16.2		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
Tetrachloroethene	20.0	19.2		ug/L		96	50 - 143
Toluene	20.0	19.1		ug/L		95	70 - 131
trans-1,4-Dichloro-2-butene	40.0	35.2		ug/L		88	70 - 130
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	62 - 139

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

Lab Sample ID: LCS 660-124707/3
Matrix: Water
Analysis Batch: 124707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	20.0	17.9		ug/L		89	67 - 130
1,1,1-Trichloroethane	20.0	17.9		ug/L		90	63 - 132
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	70 - 130
Trichloroethene	20.0	18.1		ug/L		91	63 - 139
Trichlorofluoromethane	20.0	28.3		ug/L		142	62 - 146
Trichloromethane	20.0	18.7		ug/L		94	68 - 130
1,2,3-Trichloropropane	20.0	16.7		ug/L		83	66 - 130
Vinyl acetate	20.0	22.1		ug/L		111	31 - 146
Vinyl chloride	20.0	24.5		ug/L		123	48 - 147
Xylenes, Total	60.0	57.6		ug/L		96	68 - 130

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

Lab Sample ID: 660-47671-2 MS
Matrix: Ground Water
Analysis Batch: 124707

Client Sample ID: TH-61A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U J3	40.0	65.0	J3	ug/L		162	62 - 142
Acrylonitrile	1.2	U	40.0	41.9		ug/L		105	59 - 146
Benzene	0.50	U	20.0	21.5		ug/L		108	68 - 134
Bromochloromethane	0.58	U	20.0	20.0		ug/L		100	70 - 130
Bromodichloromethane	0.35	U	20.0	21.0		ug/L		105	70 - 130
Bromoform	0.58	U	20.0	16.9		ug/L		84	65 - 130
Bromomethane	2.5	U	20.0	29.7		ug/L		148	22 - 150
2-Butanone	8.4	U	40.0	49.5		ug/L		124	63 - 140
Carbon disulfide	1.0	U	40.0	47.6		ug/L		119	30 - 150
Carbon tetrachloride	0.42	U	20.0	18.2		ug/L		91	61 - 134
Chlorobenzene	0.63	U	20.0	20.2		ug/L		101	70 - 130
Chloroethane	2.5	U	20.0	26.9		ug/L		135	39 - 150
Chloromethane	1.0	U	20.0	22.5		ug/L		112	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.9		ug/L		105	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	20.8		ug/L		104	70 - 130
Dibromochloromethane	0.34	U	20.0	19.5		ug/L		97	70 - 130
Dibromomethane	0.41	U	20.0	21.7		ug/L		109	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.0		ug/L		100	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.4		ug/L		102	70 - 130
1,1-Dichloroethane	0.52	U	20.0	20.8		ug/L		104	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.2		ug/L		86	51 - 150
1,2-Dichloropropane	0.52	U	20.0	22.5		ug/L		112	70 - 130
Ethylbenzene	0.44	U	20.0	19.7		ug/L		98	70 - 130
2-Hexanone	4.4	U	40.0	47.2		ug/L		118	60 - 148
Iodomethane	2.5	U	40.0	38.1		ug/L		95	70 - 130
Methylene Chloride	4.0	U	20.0	20.8		ug/L		104	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	45.8		ug/L		115	64 - 137

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

Lab Sample ID: 660-47671-2 MS
Matrix: Ground Water
Analysis Batch: 124707

Client Sample ID: TH-61A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.98	U	20.0	20.8		ug/L		104	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.7		ug/L		93	70 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.3		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	18.4		ug/L		92	50 - 143
Toluene	0.51	U	20.0	21.8		ug/L		109	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	36.7		ug/L		92	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	18.8		ug/L		94	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	20.9		ug/L		104	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.5		ug/L		93	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.1		ug/L		106	70 - 130
Trichloroethene	0.50	U	20.0	18.4		ug/L		92	63 - 139
Trichlorofluoromethane	2.5	U	20.0	26.7		ug/L		133	62 - 146
Trichloromethane	0.90	U	20.0	20.6		ug/L		103	68 - 130
1,2,3-Trichloropropane	0.18	U	20.0	19.3		ug/L		96	66 - 130
Vinyl acetate	1.5	U	20.0	23.8		ug/L		119	31 - 146
Vinyl chloride	0.50	U	20.0	23.1		ug/L		116	48 - 147
Xylenes, Total	0.50	U	60.0	62.4		ug/L		104	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: 660-47671-1 DU
Matrix: Ground Water
Analysis Batch: 124707

Client Sample ID: TH-67
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U J3	9.9	U J3	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

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

Lab Sample ID: 660-47671-1 DU
Matrix: Ground Water
Analysis Batch: 124707

Client Sample ID: TH-67
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
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 %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*111*		*70 - 130*

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

Lab Sample ID: MB 660-124551/9-A
Matrix: Water
Analysis Batch: 124621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124551

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 10:35	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/16/12 13:34	05/17/12 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*122*		*60 - 140*	*05/16/12 13:34*	*05/17/12 10:35*	*1*

Lab Sample ID: LCS 660-124551/10-A
Matrix: Water
Analysis Batch: 124621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.355	0.358		ug/L		101	70 - 130

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

Lab Sample ID: LCS 660-124551/10-A
Matrix: Water
Analysis Batch: 124621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124551

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylene Dibromide			0.355	0.370		ug/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*99*		*60 - 140*

Lab Sample ID: 660-47671-6 MS
Matrix: Ground Water
Analysis Batch: 124621

Client Sample ID: TH-66A
Prep Type: Total/NA
Prep Batch: 124551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane	0.010	U	0.355	0.370		ug/L		104	70 - 130		
Ethylene Dibromide	0.010	U	0.355	0.343		ug/L		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*96*		*60 - 140*

Lab Sample ID: 660-47671-7 DU
Matrix: Ground Water
Analysis Batch: 124621

Client Sample ID: TH-65
Prep Type: Total/NA
Prep Batch: 124551

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

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*121*		*60 - 140*

Lab Sample ID: 660-47707-4 DU
Matrix: Ground Water
Analysis Batch: 124865

Client Sample ID: TH-64
Prep Type: Total/NA
Prep Batch: 124843

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.010			0.0097	U	ug/L				NC	40
Ethylene Dibromide	0.010			0.0097	U	ug/L				NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*87*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 660-124843/9-A
Matrix: Water
Analysis Batch: 124865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124843

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 19:16	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		05/23/12 15:00	05/23/12 19:16	1

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

Lab Sample ID: MB 660-124843/9-A
Matrix: Water
Analysis Batch: 124865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124843

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	28	J1	60 - 140	05/23/12 15:00	05/23/12 19:16	1

Lab Sample ID: LCS 660-124843/10-A
Matrix: Water
Analysis Batch: 124865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.254	0.250		ug/L		99	70 - 130
Ethylene Dibromide	0.254	0.279		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,1,1,2-Tetrachloroethane	91		60 - 140

Lab Sample ID: 660-47642-9 MS
Matrix: Ground Water
Analysis Batch: 124865

Client Sample ID: TH-36A
Prep Type: Total/NA
Prep Batch: 124843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0098	U	0.247	0.216		ug/L		87	70 - 130
Ethylene Dibromide	0.0098	U	0.247	0.243		ug/L		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1,1,1,2-Tetrachloroethane	82		60 - 140

Lab Sample ID: 660-47642-10 DU
Matrix: Ground Water
Analysis Batch: 124865

Client Sample ID: TH-57
Prep Type: Total/NA
Prep Batch: 124843

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.010		0.0098	U	ug/L		NC	40
Ethylene Dibromide	0.010		0.0098	U	ug/L		NC	40

Surrogate	DU %Recovery	DU Qualifier	Limits
1,1,1,2-Tetrachloroethane	73		60 - 140

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-238504/1-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238504

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		05/25/12 12:23	05/29/12 19:27	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/25/12 12:23	05/29/12 19:27	1
Barium	1.3	U	5.0	1.3	ug/L		05/25/12 12:23	05/29/12 19:27	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:23	05/29/12 19:27	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/25/12 12:23	05/29/12 19:27	1
Chromium	2.5	U	5.0	2.5	ug/L		05/25/12 12:23	05/29/12 19:27	1

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

Lab Sample ID: MB 680-238504/1-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238504

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.15	U	0.50	0.15	ug/L		05/25/12 12:23	05/29/12 19:27	1
Copper	1.1	U	5.0	1.1	ug/L		05/25/12 12:23	05/29/12 19:27	1
Iron	33	U	100	33	ug/L		05/25/12 12:23	05/29/12 19:27	1
Lead	0.20	U	1.5	0.20	ug/L		05/25/12 12:23	05/29/12 19:27	1
Nickel	2.0	U	5.0	2.0	ug/L		05/25/12 12:23	05/29/12 19:27	1
Selenium	1.0	U	2.5	1.0	ug/L		05/25/12 12:23	05/29/12 19:27	1
Silver	0.25	U	1.0	0.25	ug/L		05/25/12 12:23	05/29/12 19:27	1
Sodium	0.25	U	0.50	0.25	mg/L		05/25/12 12:23	05/29/12 19:27	1
Thallium	0.50	U	1.0	0.50	ug/L		05/25/12 12:23	05/29/12 19:27	1
Vanadium	3.8	U	10	3.8	ug/L		05/25/12 12:23	05/29/12 19:27	1
Zinc	8.3	U	20	8.3	ug/L		05/25/12 12:23	05/29/12 19:27	1

Lab Sample ID: LCS 680-238504/2-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	56.6		ug/L		113	75 - 125
Arsenic	100	104		ug/L		104	75 - 125
Barium	100	105		ug/L		105	75 - 125
Beryllium	50.0	52.6		ug/L		105	75 - 125
Cadmium	50.0	52.3		ug/L		105	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	54.1		ug/L		108	75 - 125
Copper	100	108		ug/L		108	75 - 125
Iron	5000	5310		ug/L		106	75 - 125
Lead	50.0	56.1		ug/L		112	75 - 125
Nickel	100	107		ug/L		107	75 - 125
Selenium	100	103		ug/L		103	75 - 125
Silver	50.0	55.0		ug/L		110	75 - 125
Sodium	5.00	5.02		mg/L		100	75 - 125
Thallium	40.0	41.9		ug/L		105	75 - 125
Vanadium	100	101		ug/L		101	75 - 125
Zinc	100	103		ug/L		103	75 - 125

Lab Sample ID: 640-38674-A-10-F MS
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 238504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	58.8		ug/L		118	75 - 125
Arsenic	1.3	U	100	109		ug/L		109	75 - 125
Barium	12		100	122		ug/L		110	75 - 125
Beryllium	0.25	U	50.0	54.4		ug/L		109	75 - 125
Cadmium	0.095	U	50.0	55.5		ug/L		111	75 - 125
Chromium	2.5	U	100	108		ug/L		108	75 - 125
Cobalt	2.3		50.0	57.8		ug/L		111	75 - 125
Copper	1.1	U	100	113		ug/L		113	75 - 125
Iron	2100		5000	7600		ug/L		110	75 - 125
Lead	0.20	U	50.0	57.0		ug/L		114	75 - 125

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

Lab Sample ID: 640-38674-A-10-F MS
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 238504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	3.6	I	100	114		ug/L		111	75 - 125
Selenium	1.0	U	100	110		ug/L		110	75 - 125
Silver	0.25	U	50.0	57.1		ug/L		114	75 - 125
Sodium	3.0		5.00	7.98		mg/L		99	75 - 125
Thallium	0.50	U	40.0	43.3		ug/L		108	75 - 125
Vanadium	3.8	U	100	108		ug/L		108	75 - 125
Zinc	8.3	U	100	109		ug/L		109	75 - 125

Lab Sample ID: 640-38674-A-10-G MSD
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 238504

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	57.0		ug/L		114	75 - 125	3	20
Arsenic	1.3	U	100	101		ug/L		101	75 - 125	7	20
Barium	12		100	116		ug/L		104	75 - 125	5	20
Beryllium	0.25	U	50.0	53.6		ug/L		107	75 - 125	1	20
Cadmium	0.095	U	50.0	52.8		ug/L		106	75 - 125	5	20
Chromium	2.5	U	100	101		ug/L		101	75 - 125	7	20
Cobalt	2.3		50.0	55.6		ug/L		107	75 - 125	4	20
Copper	1.1	U	100	105		ug/L		105	75 - 125	7	20
Iron	2100		5000	6990		ug/L		98	75 - 125	8	20
Lead	0.20	U	50.0	54.7		ug/L		109	75 - 125	4	20
Nickel	3.6	I	100	107		ug/L		103	75 - 125	7	20
Selenium	1.0	U	100	101		ug/L		101	75 - 125	8	20
Silver	0.25	U	50.0	55.2		ug/L		110	75 - 125	3	20
Sodium	3.0		5.00	7.42		mg/L		88	75 - 125	7	20
Thallium	0.50	U	40.0	41.5		ug/L		104	75 - 125	4	20
Vanadium	3.8	U	100	100		ug/L		100	75 - 125	7	20
Zinc	8.3	U	100	105		ug/L		105	75 - 125	4	20

Lab Sample ID: MB 680-238506/1-A
Matrix: Water
Analysis Batch: 238982

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238506

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.25	U	0.50	0.25	ug/L		05/25/12 12:25	05/31/12 11:15	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/25/12 12:25	05/31/12 11:15	1

Lab Sample ID: LCS 680-238506/2-A
Matrix: Water
Analysis Batch: 238982

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	50.0	54.0		ug/L		108	75 - 125
Cobalt	50.0	55.4		ug/L		111	75 - 125

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

Lab Sample ID: MB 680-238671/1-A
Matrix: Water
Analysis Batch: 238903

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		05/29/12 11:16	05/30/12 12:53	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:16	05/30/12 12:53	1
Barium	1.3	U	5.0	1.3	ug/L		05/29/12 11:16	05/30/12 12:53	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:16	05/30/12 12:53	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:16	05/30/12 12:53	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:16	05/30/12 12:53	1
Copper	1.1	U	5.0	1.1	ug/L		05/29/12 11:16	05/30/12 12:53	1
Iron	33	U	100	33	ug/L		05/29/12 11:16	05/30/12 12:53	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:16	05/30/12 12:53	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:16	05/30/12 12:53	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:16	05/30/12 12:53	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:16	05/30/12 12:53	1
Sodium	0.25	U	0.50	0.25	mg/L		05/29/12 11:16	05/30/12 12:53	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:16	05/30/12 12:53	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:16	05/30/12 12:53	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:16	05/30/12 12:53	1

Lab Sample ID: MB 680-238671/1-A
Matrix: Water
Analysis Batch: 239023

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:16	06/01/12 02:27	1

Lab Sample ID: LCS 680-238671/2-A
Matrix: Water
Analysis Batch: 238903

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	60.2		ug/L		120	75 - 125
Arsenic	100	99.8		ug/L		100	75 - 125
Barium	100	111		ug/L		111	75 - 125
Beryllium	50.0	53.8		ug/L		108	75 - 125
Cadmium	50.0	55.0		ug/L		110	75 - 125
Chromium	100	98.6		ug/L		99	75 - 125
Copper	100	106		ug/L		106	75 - 125
Iron	5000	5110		ug/L		102	75 - 125
Lead	50.0	57.7		ug/L		115	75 - 125
Nickel	100	104		ug/L		104	75 - 125
Selenium	100	99.8		ug/L		100	75 - 125
Silver	50.0	55.9		ug/L		112	75 - 125
Sodium	5.00	4.69		mg/L		94	75 - 125
Thallium	40.0	43.5		ug/L		109	75 - 125
Vanadium	100	96.4		ug/L		96	75 - 125
Zinc	100	99.3		ug/L		99	75 - 125

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

Lab Sample ID: LCS 680-238671/2-A
Matrix: Water
Analysis Batch: 239023

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	50.0	53.1		ug/L		106	75 - 125

Lab Sample ID: 660-47642-10 MS
Matrix: Ground Water
Analysis Batch: 238903

Client Sample ID: TH-57
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	59.8		ug/L		120	75 - 125
Arsenic	1.3	U	100	98.8		ug/L		99	75 - 125
Barium	6.4		100	116		ug/L		110	75 - 125
Beryllium	0.25	U	50.0	50.5		ug/L		101	75 - 125
Cadmium	0.095	U	50.0	54.5		ug/L		109	75 - 125
Chromium	2.5	U	100	97.7		ug/L		98	75 - 125
Copper	1.1	U	100	103		ug/L		103	75 - 125
Iron	320		5000	5430		ug/L		102	75 - 125
Lead	0.20	U	50.0	58.5		ug/L		117	75 - 125
Nickel	3.2	I	100	101		ug/L		98	75 - 125
Selenium	1.0	U	100	87.9		ug/L		88	75 - 125
Silver	0.25	U	50.0	55.8		ug/L		112	75 - 125
Sodium	10		5.00	14.7		mg/L		91	75 - 125
Thallium	0.50	U	40.0	43.6		ug/L		109	75 - 125
Vanadium	3.8	U	100	95.5		ug/L		95	75 - 125
Zinc	8.3	U	100	98.0		ug/L		98	75 - 125

Lab Sample ID: 660-47642-10 MS
Matrix: Ground Water
Analysis Batch: 239023

Client Sample ID: TH-57
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.15	U	50.0	52.9		ug/L		106	75 - 125

Lab Sample ID: 660-47642-10 MSD
Matrix: Ground Water
Analysis Batch: 238903

Client Sample ID: TH-57
Prep Type: Total Recoverable
Prep Batch: 238671

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	59.4		ug/L		119	75 - 125	1	20
Arsenic	1.3	U	100	101		ug/L		101	75 - 125	2	20
Barium	6.4		100	116		ug/L		109	75 - 125	0	20
Beryllium	0.25	U	50.0	50.8		ug/L		102	75 - 125	0	20
Cadmium	0.095	U	50.0	54.0		ug/L		108	75 - 125	1	20
Chromium	2.5	U	100	98.5		ug/L		99	75 - 125	1	20
Copper	1.1	U	100	104		ug/L		104	75 - 125	1	20
Iron	320		5000	5470		ug/L		103	75 - 125	1	20
Lead	0.20	U	50.0	58.3		ug/L		117	75 - 125	0	20
Nickel	3.2	I	100	102		ug/L		99	75 - 125	2	20
Selenium	1.0	U	100	90.1		ug/L		90	75 - 125	2	20
Silver	0.25	U	50.0	55.6		ug/L		111	75 - 125	0	20
Sodium	10		5.00	14.9		mg/L		96	75 - 125	1	20
Thallium	0.50	U	40.0	44.4		ug/L		111	75 - 125	2	20

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

Lab Sample ID: 660-47642-10 MSD
Matrix: Ground Water
Analysis Batch: 238903

Client Sample ID: TH-57
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	3.8	U	100	97.1		ug/L		97	75 - 125	2	20
Zinc	8.3	U	100	99.5		ug/L		99	75 - 125	1	20

Lab Sample ID: 660-47642-10 MSD
Matrix: Ground Water
Analysis Batch: 239023

Client Sample ID: TH-57
Prep Type: Total Recoverable
Prep Batch: 238671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	0.15	U	50.0	53.5		ug/L		107	75 - 125	1	20

Lab Sample ID: MB 680-238676/1-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238676

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		05/29/12 11:41	05/30/12 02:23	1
Arsenic	1.3	U	2.5	1.3	ug/L		05/29/12 11:41	05/30/12 02:23	1
Barium	1.3	U	5.0	1.3	ug/L		05/29/12 11:41	05/30/12 02:23	1
Beryllium	0.25	U	0.50	0.25	ug/L		05/29/12 11:41	05/30/12 02:23	1
Cadmium	0.095	U	0.50	0.095	ug/L		05/29/12 11:41	05/30/12 02:23	1
Chromium	2.5	U	5.0	2.5	ug/L		05/29/12 11:41	05/30/12 02:23	1
Cobalt	0.15	U	0.50	0.15	ug/L		05/29/12 11:41	05/30/12 02:23	1
Copper	1.20	I	5.0	1.1	ug/L		05/29/12 11:41	05/30/12 02:23	1
Iron	33	U	100	33	ug/L		05/29/12 11:41	05/30/12 02:23	1
Lead	0.20	U	1.5	0.20	ug/L		05/29/12 11:41	05/30/12 02:23	1
Nickel	2.0	U	5.0	2.0	ug/L		05/29/12 11:41	05/30/12 02:23	1
Selenium	1.0	U	2.5	1.0	ug/L		05/29/12 11:41	05/30/12 02:23	1
Silver	0.25	U	1.0	0.25	ug/L		05/29/12 11:41	05/30/12 02:23	1
Sodium	0.25	U	0.50	0.25	mg/L		05/29/12 11:41	05/30/12 02:23	1
Thallium	0.50	U	1.0	0.50	ug/L		05/29/12 11:41	05/30/12 02:23	1
Vanadium	3.8	U	10	3.8	ug/L		05/29/12 11:41	05/30/12 02:23	1
Zinc	8.3	U	20	8.3	ug/L		05/29/12 11:41	05/30/12 02:23	1

Lab Sample ID: LCS 680-238676/2-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	57.8		ug/L		116	75 - 125
Arsenic	100	103		ug/L		103	75 - 125
Barium	100	108		ug/L		108	75 - 125
Beryllium	50.0	54.2		ug/L		108	75 - 125
Cadmium	50.0	53.6		ug/L		107	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	51.9		ug/L		104	75 - 125
Copper	100	109		ug/L		109	75 - 125
Iron	5000	5440		ug/L		109	75 - 125
Lead	50.0	57.0		ug/L		114	75 - 125
Nickel	100	106		ug/L		106	75 - 125
Selenium	100	107		ug/L		107	75 - 125

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

Lab Sample ID: LCS 680-238676/2-A
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	55.2		ug/L		110	75 - 125
Sodium	5.00	5.00		mg/L		100	75 - 125
Thallium	40.0	43.1		ug/L		108	75 - 125
Vanadium	100	101		ug/L		101	75 - 125
Zinc	100	100		ug/L		100	75 - 125

Lab Sample ID: MB 680-239028/1-A
Matrix: Water
Analysis Batch: 239126

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 239028

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		06/01/12 09:50	06/02/12 20:14	1
Arsenic	1.3	U	2.5	1.3	ug/L		06/01/12 09:50	06/02/12 20:14	1
Barium	1.3	U	5.0	1.3	ug/L		06/01/12 09:50	06/02/12 20:14	1
Beryllium	0.25	U	0.50	0.25	ug/L		06/01/12 09:50	06/02/12 20:14	1
Cadmium	0.095	U	0.50	0.095	ug/L		06/01/12 09:50	06/02/12 20:14	1
Chromium	2.5	U	5.0	2.5	ug/L		06/01/12 09:50	06/02/12 20:14	1
Cobalt	0.15	U	0.50	0.15	ug/L		06/01/12 09:50	06/02/12 20:14	1
Copper	1.1	U	5.0	1.1	ug/L		06/01/12 09:50	06/02/12 20:14	1
Iron	33	U	100	33	ug/L		06/01/12 09:50	06/02/12 20:14	1
Lead	0.20	U	1.5	0.20	ug/L		06/01/12 09:50	06/02/12 20:14	1
Nickel	2.0	U	5.0	2.0	ug/L		06/01/12 09:50	06/02/12 20:14	1
Selenium	1.0	U	2.5	1.0	ug/L		06/01/12 09:50	06/02/12 20:14	1
Silver	0.25	U	1.0	0.25	ug/L		06/01/12 09:50	06/02/12 20:14	1
Sodium	0.25	U	0.50	0.25	mg/L		06/01/12 09:50	06/02/12 20:14	1
Thallium	0.50	U	1.0	0.50	ug/L		06/01/12 09:50	06/02/12 20:14	1
Vanadium	3.8	U	10	3.8	ug/L		06/01/12 09:50	06/02/12 20:14	1
Zinc	8.3	U	20	8.3	ug/L		06/01/12 09:50	06/02/12 20:14	1

Lab Sample ID: LCS 680-239028/2-A
Matrix: Water
Analysis Batch: 239126

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 239028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.0		ug/L		100	75 - 125
Arsenic	100	96.4		ug/L		96	75 - 125
Barium	100	91.8		ug/L		92	75 - 125
Beryllium	50.0	46.3		ug/L		93	75 - 125
Cadmium	50.0	45.8		ug/L		92	75 - 125
Chromium	100	95.1		ug/L		95	75 - 125
Cobalt	50.0	48.1		ug/L		96	75 - 125
Copper	100	97.7		ug/L		98	75 - 125
Iron	5000	4900		ug/L		98	75 - 125
Lead	50.0	47.2		ug/L		94	75 - 125
Nickel	100	96.3		ug/L		96	75 - 125
Selenium	100	96.8		ug/L		97	75 - 125
Silver	50.0	46.2		ug/L		92	75 - 125
Sodium	5.00	4.67		mg/L		93	75 - 125
Thallium	40.0	36.6		ug/L		91	75 - 125
Vanadium	100	94.0		ug/L		94	75 - 125

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

Lab Sample ID: LCS 680-239028/2-A
Matrix: Water
Analysis Batch: 239126

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 239028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	100	92.3		ug/L		92	75 - 125

Lab Sample ID: 680-79778-A-31-B MS
Matrix: Water
Analysis Batch: 239126

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 239028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	53.7		ug/L		107	75 - 125
Arsenic	1.3	U	100	99.8		ug/L		100	75 - 125
Barium	11		100	108		ug/L		97	75 - 125
Beryllium	0.25	U	50.0	50.1		ug/L		100	75 - 125
Cadmium	0.24	I	50.0	49.7		ug/L		99	75 - 125
Chromium	2.5	U	100	98.0		ug/L		98	75 - 125
Cobalt	0.18	I	50.0	52.6		ug/L		105	75 - 125
Copper	1.1	U	100	102		ug/L		102	75 - 125
Iron	500		5000	5600		ug/L		102	75 - 125
Lead	1.9		50.0	51.3		ug/L		99	75 - 125
Nickel	2.0	U	100	101		ug/L		101	75 - 125
Selenium	1.0	U	100	100		ug/L		100	75 - 125
Silver	0.25	U	50.0	49.5		ug/L		99	75 - 125
Sodium	4.4		5.00	9.23		mg/L		96	75 - 125
Thallium	0.50	U	40.0	38.9		ug/L		97	75 - 125
Vanadium	3.8	U	100	96.9		ug/L		97	75 - 125
Zinc	9.8	I	100	108		ug/L		98	75 - 125

Lab Sample ID: 680-79778-A-31-C MSD
Matrix: Water
Analysis Batch: 239126

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 239028

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	52.7		ug/L		105	75 - 125	2	20
Arsenic	1.3	U	100	97.5		ug/L		98	75 - 125	2	20
Barium	11		100	107		ug/L		95	75 - 125	1	20
Beryllium	0.25	U	50.0	49.1		ug/L		98	75 - 125	2	20
Cadmium	0.24	I	50.0	48.8		ug/L		97	75 - 125	2	20
Chromium	2.5	U	100	95.5		ug/L		96	75 - 125	3	20
Cobalt	0.18	I	50.0	51.2		ug/L		102	75 - 125	3	20
Copper	1.1	U	100	100		ug/L		100	75 - 125	2	20
Iron	500		5000	5480		ug/L		100	75 - 125	2	20
Lead	1.9		50.0	50.4		ug/L		97	75 - 125	2	20
Nickel	2.0	U	100	97.8		ug/L		98	75 - 125	3	20
Selenium	1.0	U	100	97.3		ug/L		97	75 - 125	3	20
Silver	0.25	U	50.0	49.0		ug/L		98	75 - 125	1	20
Sodium	4.4		5.00	8.96		mg/L		91	75 - 125	3	20
Thallium	0.50	U	40.0	38.2		ug/L		95	75 - 125	2	20
Vanadium	3.8	U	100	95.0		ug/L		95	75 - 125	2	20
Zinc	9.8	I	100	106		ug/L		97	75 - 125	1	20

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

Lab Sample ID: 680-79618-D-1-H MS
Matrix: Water
Analysis Batch: 238982

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 238506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.25	U	50.0	53.3		ug/L		107	75 - 125
Cobalt	0.15	U	50.0	53.6		ug/L		107	75 - 125

Lab Sample ID: 680-79618-D-1-I MSD
Matrix: Water
Analysis Batch: 238982

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 238506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.25	U	50.0	54.8		ug/L		110	75 - 125	3	20
Cobalt	0.15	U	50.0	55.0		ug/L		110	75 - 125	3	20

Lab Sample ID: 400-65638-B-5-B MS
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 238676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	57.5		ug/L		115	75 - 125
Arsenic	1.3	U	100	97.9		ug/L		98	75 - 125
Barium	330	J3	100	436		ug/L		107	75 - 125
Beryllium	0.25	U	50.0	53.5		ug/L		107	75 - 125
Cadmium	0.095	U	50.0	52.9		ug/L		106	75 - 125
Chromium	4.6	I	100	104		ug/L		99	75 - 125
Cobalt	0.18	I	50.0	50.9		ug/L		101	75 - 125
Copper	1.1	U	100	103		ug/L		103	75 - 125
Iron	12000	J3	5000	17000		ug/L		105	75 - 125
Lead	0.20	U	50.0	54.5		ug/L		109	75 - 125
Nickel	4.4	I	100	105		ug/L		100	75 - 125
Selenium	1.0	U	100	99.1		ug/L		99	75 - 125
Silver	0.25	U	50.0	52.9		ug/L		106	75 - 125
Sodium	170	J3	5.00	174	J3	mg/L		172	75 - 125
Thallium	0.50	U	40.0	40.8		ug/L		102	75 - 125
Vanadium	3.8	U	100	98.4		ug/L		98	75 - 125
Zinc	8.3	U	100	99.5		ug/L		99	75 - 125

Lab Sample ID: 400-65638-B-5-C MSD
Matrix: Water
Analysis Batch: 238866

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 238676

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	61.2		ug/L		122	75 - 125	6	20
Arsenic	1.3	U	100	106		ug/L		106	75 - 125	8	20
Barium	330	J3	100	466	J3	ug/L		137	75 - 125	7	20
Beryllium	0.25	U	50.0	54.9		ug/L		110	75 - 125	3	20
Cadmium	0.095	U	50.0	55.9		ug/L		112	75 - 125	6	20
Chromium	4.6	I	100	113		ug/L		108	75 - 125	8	20
Cobalt	0.18	I	50.0	53.3		ug/L		106	75 - 125	5	20
Copper	1.1	U	100	111		ug/L		111	75 - 125	8	20
Iron	12000	J3	5000	18800	J3	ug/L		141	75 - 125	10	20
Lead	0.20	U	50.0	57.7		ug/L		115	75 - 125	6	20
Nickel	4.4	I	100	113		ug/L		109	75 - 125	8	20

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

Lab Sample ID: 400-65638-B-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 238866 — **Prep Batch: 238676**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	1.0	U	100	110		ug/L		110	75 - 125	11	20
Silver	0.25	U	50.0	56.2		ug/L		112	75 - 125	6	20
Sodium	170	J3	5.00	188	J3	mg/L		465	75 - 125	8	20
Thallium	0.50	U	40.0	43.4		ug/L		108	75 - 125	6	20
Vanadium	3.8	U	100	107		ug/L		107	75 - 125	8	20
Zinc	8.3	U	100	104		ug/L		104	75 - 125	4	20

Method: 7470A - Mercury

Lab Sample ID: MB 680-237779/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237779**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/18/12 10:12	05/22/12 11:59	1

Lab Sample ID: LCS 680-237779/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237779**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.42		ug/L		97	80 - 120

Lab Sample ID: 660-47707-1 MS — **Client Sample ID: TH-69A**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237779**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.971		ug/L		97	80 - 120

Lab Sample ID: 660-47707-1 MSD — **Client Sample ID: TH-69A**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237779**

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	0.963		ug/L		96	80 - 120	1	20

Lab Sample ID: MB 680-237827/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237827**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		05/18/12 14:22	05/22/12 13:49	1

Lab Sample ID: LCS 680-237827/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 238210 — **Prep Batch: 237827**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.36		ug/L		94	80 - 120

Method: 7470A - Mercury (Continued)

Lab Sample ID: 680-79590-E-2-B MS
Matrix: Water
Analysis Batch: 238210

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 237827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.934		ug/L		93	80 - 120

Lab Sample ID: 680-79590-E-2-C MSD
Matrix: Water
Analysis Batch: 238210

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 237827

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	0.894		ug/L		89	80 - 120	4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 660-124831/4
Matrix: Water
Analysis Batch: 124831

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	0.50	0.20	mg/L			05/23/12 09:32	1

Lab Sample ID: LCS 660-124831/5
Matrix: Water
Analysis Batch: 124831

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	9.87		mg/L		99	90 - 110

Lab Sample ID: 660-47671-4 MS
Matrix: Ground Water
Analysis Batch: 124831

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	8.1		10.0	18.9		mg/L		108	90 - 110

Lab Sample ID: 660-47671-4 MSD
Matrix: Ground Water
Analysis Batch: 124831

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.1		10.0	18.9		mg/L		109	90 - 110	0	30

Lab Sample ID: MB 660-124832/2
Matrix: Water
Analysis Batch: 124832

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	0.50	0.20	mg/L			05/23/12 09:34	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 660-124832/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124832

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.0		mg/L		100	90 - 110		

Lab Sample ID: 660-47539-C-5 MS ^4 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	32	J3	40.0	43.6	J3	mg/L		29	90 - 110		

Lab Sample ID: 660-47539-C-5 MSD ^4 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	32	J3	40.0	43.9	J3	mg/L		30	90 - 110	1	30

Lab Sample ID: 660-47539-C-8 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.5		10.0	15.2		mg/L		106	90 - 110		

Lab Sample ID: 660-47539-C-8 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.5		10.0	14.9		mg/L		103	90 - 110	2	30

Lab Sample ID: MB 660-124855/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124855

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/24/12 09:17	1

Lab Sample ID: LCS 660-124855/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124855

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	9.83		mg/L		98	90 - 110		

Lab Sample ID: 660-47689-M-5 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	0.20	U J3	10.0	0.20	U J3	mg/L		0	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 660-47689-M-5 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	0.20	U J3	10.0	0.20	U J3	mg/L		0	90 - 110	NC	30

Lab Sample ID: MB 660-124951/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/29/12 09:10	1

Lab Sample ID: LCS 660-124951/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.83		mg/L		98	90 - 110

Lab Sample ID: 660-47642-5 MS — **Client Sample ID: BARNES**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.3		10.0	18.0		mg/L		108	90 - 110

Lab Sample ID: 660-47642-5 MSD — **Client Sample ID: BARNES**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.3		10.0	18.0		mg/L		107	90 - 110	0	30

Lab Sample ID: 660-47642-8 MS — **Client Sample ID: TH-40**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.3		10.0	18.9		mg/L		107	90 - 110

Lab Sample ID: 660-47642-8 MSD — **Client Sample ID: TH-40**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 124951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.3		10.0	19.0		mg/L		107	90 - 110	0	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 660-124679/11
Matrix: Water
Analysis Batch: 124679

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	0.010	U	0.020	0.010	mg/L			05/19/12 10:45	1

Lab Sample ID: LCS 660-124679/12
Matrix: Water
Analysis Batch: 124679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.500	0.540		mg/L		108	90 - 110

Lab Sample ID: 660-47707-1 MS
Matrix: Ground Water
Analysis Batch: 124679

Client Sample ID: TH-69A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.084	J3	1.00	1.28	J3	mg/L		120	90 - 110

Lab Sample ID: 660-47707-1 MSD
Matrix: Ground Water
Analysis Batch: 124679

Client Sample ID: TH-69A
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	0.084	J3	1.00	1.27	J3	mg/L		119	90 - 110	1	30

Lab Sample ID: 660-47710-D-1 MS
Matrix: Water
Analysis Batch: 124679

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	0.75	J3	1.00	1.57	J3	mg/L		82	90 - 110

Lab Sample ID: 660-47710-D-1 MSD
Matrix: Water
Analysis Batch: 124679

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	0.75	J3	1.00	1.59	J3	mg/L		84	90 - 110	1	30

Lab Sample ID: MB 660-124908/3
Matrix: Water
Analysis Batch: 124908

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	0.010	U	0.020	0.010	mg/L			05/26/12 10:42	1

Lab Sample ID: LCS 660-124908/4
Matrix: Water
Analysis Batch: 124908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.500	0.541		mg/L		108	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 660-47642-2 MS
Matrix: Ground Water
Analysis Batch: 124908

Client Sample ID: WEEKS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.11		1.00	1.14		mg/L		103	90 - 110

Lab Sample ID: 660-47642-2 MSD
Matrix: Ground Water
Analysis Batch: 124908

Client Sample ID: WEEKS
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	0.11		1.00	1.11		mg/L		100	90 - 110	3	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-124512/14
Matrix: Water
Analysis Batch: 124512

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			05/15/12 14:15	1

Lab Sample ID: LCS 660-124512/15
Matrix: Water
Analysis Batch: 124512

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	0.990		mg/L		99	90 - 110
Nitrite as N	0.500	0.500		mg/L		100	90 - 110

Lab Sample ID: 660-47642-2 MS
Matrix: Ground Water
Analysis Batch: 124512

Client Sample ID: WEEKS
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	1.02		mg/L		102	90 - 110
Nitrite as N	0.10		0.500	0.515		mg/L		103	90 - 110

Lab Sample ID: 660-47642-2 MSD
Matrix: Ground Water
Analysis Batch: 124512

Client Sample ID: WEEKS
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	1.03		mg/L		103	90 - 110	1	30
Nitrite as N	0.10		0.500	0.521		mg/L		104	90 - 110	1	30

Lab Sample ID: 660-47642-10 MS
Matrix: Ground Water
Analysis Batch: 124512

Client Sample ID: TH-57
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	1.03		mg/L		103	90 - 110
Nitrite as N	0.10		0.500	0.521		mg/L		104	90 - 110

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-47642-10 MSD
Matrix: Ground Water
Analysis Batch: 124512

Client Sample ID: TH-57
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	1.00		mg/L		100	90 - 110	3	30
Nitrite as N	0.10		0.500	0.509		mg/L		102	90 - 110	2	30

Lab Sample ID: MB 660-124556/14
Matrix: Water
Analysis Batch: 124556

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			05/16/12 12:28	1

Lab Sample ID: LCS 660-124556/15
Matrix: Water
Analysis Batch: 124556

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	0.991		mg/L		99	90 - 110
Nitrite as N	0.500	0.496	I	mg/L		99	90 - 110

Lab Sample ID: 660-47671-1 MS
Matrix: Ground Water
Analysis Batch: 124556

Client Sample ID: TH-67
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	1.08		mg/L		108	90 - 110
Nitrite as N	0.10		0.500	0.542		mg/L		108	90 - 110

Lab Sample ID: 660-47671-1 MSD
Matrix: Ground Water
Analysis Batch: 124556

Client Sample ID: TH-67
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	1.08		mg/L		108	90 - 110	0	30
Nitrite as N	0.10		0.500	0.545		mg/L		109	90 - 110	1	30

Lab Sample ID: MB 660-124615/3
Matrix: Water
Analysis Batch: 124615

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			05/17/12 12:47	1

Lab Sample ID: LCS 660-124615/4
Matrix: Water
Analysis Batch: 124615

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	0.975		mg/L		98	90 - 110
Nitrite as N	0.500	0.477	I	mg/L		95	90 - 110

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-47707-1 MS
Matrix: Ground Water
Analysis Batch: 124615

Client Sample ID: TH-69A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.32		1.00	1.09	J3	mg/L		77	90 - 110
Nitrite as N	0.10		0.500	0.530		mg/L		106	90 - 110

Lab Sample ID: 660-47707-1 MSD
Matrix: Ground Water
Analysis Batch: 124615

Client Sample ID: TH-69A
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	0.32		1.00	1.10	J3	mg/L		78	90 - 110	1	30
Nitrite as N	0.10		0.500	0.535		mg/L		107	90 - 110	1	30

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

Lab Sample ID: MB 660-124611/1
Matrix: Water
Analysis Batch: 124611

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			05/17/12 13:59	1

Lab Sample ID: LCS 660-124611/2
Matrix: Water
Analysis Batch: 124611

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	9860		mg/L		99	80 - 120

Lab Sample ID: 660-47632-B-1 DU
Matrix: Water
Analysis Batch: 124611

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	510		540		mg/L		6	20

Lab Sample ID: 660-47671-4 DU
Matrix: Ground Water
Analysis Batch: 124611

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	200		204		mg/L		4	20

Lab Sample ID: MB 660-124686/1
Matrix: Water
Analysis Batch: 124686

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			05/21/12 06:57	1

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

Lab Sample ID: LCS 660-124686/2
Matrix: Water
Analysis Batch: 124686

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	9840		mg/L		98	80 - 120		

Lab Sample ID: 660-47671-3 DU
Matrix: Ground Water
Analysis Batch: 124686

Client Sample ID: DUPLICATE NOT BLANK 47671
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	180			204		mg/L				10	20

Lab Sample ID: MB 660-124718/1
Matrix: Water
Analysis Batch: 124718

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			05/21/12 11:12	1

Lab Sample ID: LCS 660-124718/2
Matrix: Water
Analysis Batch: 124718

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	9870		mg/L		99	80 - 120		

Lab Sample ID: 660-47687-F-1 DU
Matrix: Water
Analysis Batch: 124718

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	390			387		mg/L				2	20

Lab Sample ID: MB 660-124730/1
Matrix: Water
Analysis Batch: 124730

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			05/21/12 13:56	1

Lab Sample ID: LCS 660-124730/2
Matrix: Water
Analysis Batch: 124730

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

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

Lab Sample ID: 660-47736-M-1 DU
Matrix: Water
Analysis Batch: 124730

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	600			590		mg/L				2	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 660-124589/1
Matrix: Water
Analysis Batch: 124589

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			05/17/12 10:12	1

Lab Sample ID: LCS 660-124589/2
Matrix: Water
Analysis Batch: 124589

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	94.0		mg/L		94	80 - 120

Lab Sample ID: 660-47659-C-1 DU
Matrix: Water
Analysis Batch: 124589

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	36		21.2	J3	mg/L		53	20

Method: SM 5310C - TOC

Lab Sample ID: MB 640-92963/41
Matrix: Water
Analysis Batch: 92963

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			05/29/12 22:45	1

Lab Sample ID: LCS 640-92963/42
Matrix: Water
Analysis Batch: 92963

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	9.34		mg/L		93	80 - 120

Lab Sample ID: LCSD 640-92963/43
Matrix: Water
Analysis Batch: 92963

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	9.30		mg/L		93	80 - 120	0	25

Lab Sample ID: 640-38741-Q-1 MS
Matrix: Water
Analysis Batch: 92963

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
Total Organic Carbon	1.3		5.00	6.01		mg/L		94	80 - 120

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 640-38741-R-1 MSD
Matrix: Water
Analysis Batch: 92963

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
Total Organic Carbon	1.3		5.00	6.13		mg/L		96	80 - 120	2	25

Lab Sample ID: 640-38741-P-1 DU
Matrix: Water
Analysis Batch: 92963

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	1.3		1.30		mg/L		1	25

GC/MS VOA

Analysis Batch: 124542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	8260B	
660-47642-2	WEEKS	Total/NA	Ground Water	8260B	
660-47642-3	KEEN JR	Total/NA	Ground Water	8260B	
660-47642-4	HOLLAND	Total/NA	Ground Water	8260B	
660-47642-5	BARNES	Total/NA	Ground Water	8260B	
660-47642-11	BLANK TRAVEL 47642	Total/NA	Ground Water	8260B	
660-47662-B-1 DU	Duplicate	Total/NA	Water	8260B	
660-47662-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-124542/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-124542/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 124635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-6	TH-28A	Total/NA	Ground Water	8260B	
660-47642-6 DU	TH-28A	Total/NA	Ground Water	8260B	
660-47642-7	TH-58	Total/NA	Ground Water	8260B	
660-47642-7 MS	TH-58	Total/NA	Ground Water	8260B	
660-47642-8	TH-40	Total/NA	Ground Water	8260B	
660-47642-9	TH-36A	Total/NA	Ground Water	8260B	
660-47642-10	TH-57	Total/NA	Ground Water	8260B	
LCS 660-124635/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-124635/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 124707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	8260B	
660-47671-1 DU	TH-67	Total/NA	Ground Water	8260B	
660-47671-2	TH-61A	Total/NA	Ground Water	8260B	
660-47671-2 MS	TH-61A	Total/NA	Ground Water	8260B	
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	8260B	
660-47671-4	TH-19	Total/NA	Ground Water	8260B	
660-47671-5	TH-22A	Total/NA	Ground Water	8260B	
660-47671-6	TH-66A	Total/NA	Ground Water	8260B	
660-47671-7	TH-65	Total/NA	Ground Water	8260B	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	8260B	
660-47671-9	BLANK TRAVEL 47671	Total/NA	Ground Water	8260B	
660-47707-1	TH-69A	Total/NA	Ground Water	8260B	
660-47707-2	TH-71A	Total/NA	Ground Water	8260B	
660-47707-3	TH-70A	Total/NA	Ground Water	8260B	
660-47707-4	TH-64	Total/NA	Ground Water	8260B	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	8260B	
660-47707-6	BLANK TRAVEL 47707	Total/NA	Ground Water	8260B	
LCS 660-124707/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-124707/5	Method Blank	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 124551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	8011	
660-47671-2	TH-61A	Total/NA	Ground Water	8011	
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	8011	

GC Semi VOA (Continued)

Prep Batch: 124551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-4	TH-19	Total/NA	Ground Water	8011	
660-47671-5	TH-22A	Total/NA	Ground Water	8011	
660-47671-6	TH-66A	Total/NA	Ground Water	8011	
660-47671-6 MS	TH-66A	Total/NA	Ground Water	8011	
660-47671-7	TH-65	Total/NA	Ground Water	8011	
660-47671-7 DU	TH-65	Total/NA	Ground Water	8011	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	8011	
LCS 660-124551/10-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-124551/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 124621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	8011	124551
660-47671-2	TH-61A	Total/NA	Ground Water	8011	124551
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	8011	124551
660-47671-4	TH-19	Total/NA	Ground Water	8011	124551
660-47671-5	TH-22A	Total/NA	Ground Water	8011	124551
660-47671-6	TH-66A	Total/NA	Ground Water	8011	124551
660-47671-6 MS	TH-66A	Total/NA	Ground Water	8011	124551
660-47671-7	TH-65	Total/NA	Ground Water	8011	124551
660-47671-7 DU	TH-65	Total/NA	Ground Water	8011	124551
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	8011	124551
LCS 660-124551/10-A	Lab Control Sample	Total/NA	Water	8011	124551
MB 660-124551/9-A	Method Blank	Total/NA	Water	8011	124551

Prep Batch: 124843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	8011	
660-47642-2	WEEKS	Total/NA	Ground Water	8011	
660-47642-3	KEEN JR	Total/NA	Ground Water	8011	
660-47642-4	HOLLAND	Total/NA	Ground Water	8011	
660-47642-5	BARNES	Total/NA	Ground Water	8011	
660-47642-6	TH-28A	Total/NA	Ground Water	8011	
660-47642-7	TH-58	Total/NA	Ground Water	8011	
660-47642-8	TH-40	Total/NA	Ground Water	8011	
660-47642-9	TH-36A	Total/NA	Ground Water	8011	
660-47642-9 MS	TH-36A	Total/NA	Ground Water	8011	
660-47642-10	TH-57	Total/NA	Ground Water	8011	
660-47642-10 DU	TH-57	Total/NA	Ground Water	8011	
660-47707-1	TH-69A	Total/NA	Ground Water	8011	
660-47707-2	TH-71A	Total/NA	Ground Water	8011	
660-47707-3	TH-70A	Total/NA	Ground Water	8011	
660-47707-4	TH-64	Total/NA	Ground Water	8011	
660-47707-4 DU	TH-64	Total/NA	Ground Water	8011	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	8011	
LCS 660-124843/10-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-124843/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 124865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	8011	124843
660-47642-2	WEEKS	Total/NA	Ground Water	8011	124843

GC Semi VOA (Continued)

Analysis Batch: 124865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-3	KEEN JR	Total/NA	Ground Water	8011	124843
660-47642-4	HOLLAND	Total/NA	Ground Water	8011	124843
660-47642-5	BARNES	Total/NA	Ground Water	8011	124843
660-47642-6	TH-28A	Total/NA	Ground Water	8011	124843
660-47642-7	TH-58	Total/NA	Ground Water	8011	124843
660-47642-8	TH-40	Total/NA	Ground Water	8011	124843
660-47642-9	TH-36A	Total/NA	Ground Water	8011	124843
660-47642-9 MS	TH-36A	Total/NA	Ground Water	8011	124843
660-47642-10	TH-57	Total/NA	Ground Water	8011	124843
660-47642-10 DU	TH-57	Total/NA	Ground Water	8011	124843
660-47707-1	TH-69A	Total/NA	Ground Water	8011	124843
660-47707-2	TH-71A	Total/NA	Ground Water	8011	124843
660-47707-3	TH-70A	Total/NA	Ground Water	8011	124843
660-47707-4	TH-64	Total/NA	Ground Water	8011	124843
660-47707-4 DU	TH-64	Total/NA	Ground Water	8011	124843
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	8011	124843
LCS 660-124843/10-A	Lab Control Sample	Total/NA	Water	8011	124843
MB 660-124843/9-A	Method Blank	Total/NA	Water	8011	124843

Metals

Prep Batch: 237779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	7470A	
660-47671-2	TH-61A	Total/NA	Ground Water	7470A	
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	7470A	
660-47671-4	TH-19	Total/NA	Ground Water	7470A	
660-47671-5	TH-22A	Total/NA	Ground Water	7470A	
660-47671-6	TH-66A	Total/NA	Ground Water	7470A	
660-47671-7	TH-65	Total/NA	Ground Water	7470A	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	7470A	
660-47707-1	TH-69A	Total/NA	Ground Water	7470A	
660-47707-1 MS	TH-69A	Total/NA	Ground Water	7470A	
660-47707-1 MSD	TH-69A	Total/NA	Ground Water	7470A	
660-47707-2	TH-71A	Total/NA	Ground Water	7470A	
660-47707-3	TH-70A	Total/NA	Ground Water	7470A	
660-47707-4	TH-64	Total/NA	Ground Water	7470A	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	7470A	
LCS 680-237779/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-237779/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 237827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	7470A	
660-47642-2	WEEKS	Total/NA	Ground Water	7470A	
660-47642-3	KEEN JR	Total/NA	Ground Water	7470A	
660-47642-4	HOLLAND	Total/NA	Ground Water	7470A	
660-47642-5	BARNES	Total/NA	Ground Water	7470A	
660-47642-6	TH-28A	Total/NA	Ground Water	7470A	
660-47642-7	TH-58	Total/NA	Ground Water	7470A	
660-47642-8	TH-40	Total/NA	Ground Water	7470A	
660-47642-9	TH-36A	Total/NA	Ground Water	7470A	

Metals (Continued)

Prep Batch: 237827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-10	TH-57	Total/NA	Ground Water	7470A	
680-79590-E-2-B MS	Matrix Spike	Total/NA	Water	7470A	
680-79590-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-237827/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-237827/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 238210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	7470A	237827
660-47642-2	WEEKS	Total/NA	Ground Water	7470A	237827
660-47642-3	KEEN JR	Total/NA	Ground Water	7470A	237827
660-47642-4	HOLLAND	Total/NA	Ground Water	7470A	237827
660-47642-5	BARNES	Total/NA	Ground Water	7470A	237827
660-47642-6	TH-28A	Total/NA	Ground Water	7470A	237827
660-47642-7	TH-58	Total/NA	Ground Water	7470A	237827
660-47642-8	TH-40	Total/NA	Ground Water	7470A	237827
660-47642-9	TH-36A	Total/NA	Ground Water	7470A	237827
660-47642-10	TH-57	Total/NA	Ground Water	7470A	237827
660-47671-1	TH-67	Total/NA	Ground Water	7470A	237779
660-47671-2	TH-61A	Total/NA	Ground Water	7470A	237779
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	7470A	237779
660-47671-4	TH-19	Total/NA	Ground Water	7470A	237779
660-47671-5	TH-22A	Total/NA	Ground Water	7470A	237779
660-47671-6	TH-66A	Total/NA	Ground Water	7470A	237779
660-47671-7	TH-65	Total/NA	Ground Water	7470A	237779
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	7470A	237779
660-47707-1	TH-69A	Total/NA	Ground Water	7470A	237779
660-47707-1 MS	TH-69A	Total/NA	Ground Water	7470A	237779
660-47707-1 MSD	TH-69A	Total/NA	Ground Water	7470A	237779
660-47707-2	TH-71A	Total/NA	Ground Water	7470A	237779
660-47707-3	TH-70A	Total/NA	Ground Water	7470A	237779
660-47707-4	TH-64	Total/NA	Ground Water	7470A	237779
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	7470A	237779
680-79590-E-2-B MS	Matrix Spike	Total/NA	Water	7470A	237827
680-79590-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	237827
LCS 680-237779/2-A	Lab Control Sample	Total/NA	Water	7470A	237779
LCS 680-237827/2-A	Lab Control Sample	Total/NA	Water	7470A	237827
MB 680-237779/1-A	Method Blank	Total/NA	Water	7470A	237779
MB 680-237827/1-A	Method Blank	Total/NA	Water	7470A	237827

Prep Batch: 238504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-38674-A-10-F MS	Matrix Spike	Total Recoverable	Water	3005A	
640-38674-A-10-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-47707-1	TH-69A	Total Recoverable	Ground Water	3005A	
660-47707-2	TH-71A	Total Recoverable	Ground Water	3005A	
660-47707-3	TH-70A	Total Recoverable	Ground Water	3005A	
660-47707-4	TH-64	Total Recoverable	Ground Water	3005A	
660-47707-5	BLANK EQUIPMENT 47707	Total Recoverable	Ground Water	3005A	
LCS 680-238504/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-238504/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 238506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-79618-D-1-H MS	Matrix Spike	Dissolved	Water	3005A	
680-79618-D-1-I MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
LCS 680-238506/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-238506/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 238671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-2	WEEKS	Total Recoverable	Ground Water	3005A	
660-47642-3	KEEN JR	Total Recoverable	Ground Water	3005A	
660-47642-4	HOLLAND	Total Recoverable	Ground Water	3005A	
660-47642-5	BARNES	Total Recoverable	Ground Water	3005A	
660-47642-6	TH-28A	Total Recoverable	Ground Water	3005A	
660-47642-7	TH-58	Total Recoverable	Ground Water	3005A	
660-47642-8	TH-40	Total Recoverable	Ground Water	3005A	
660-47642-9	TH-36A	Total Recoverable	Ground Water	3005A	
660-47642-10	TH-57	Total Recoverable	Ground Water	3005A	
660-47642-10 MS	TH-57	Total Recoverable	Ground Water	3005A	
660-47642-10 MSD	TH-57	Total Recoverable	Ground Water	3005A	
LCS 680-238671/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-238671/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 238676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-65638-B-5-B MS	Matrix Spike	Dissolved	Water	3005A	
400-65638-B-5-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
660-47671-1	TH-67	Total Recoverable	Ground Water	3005A	
660-47671-2	TH-61A	Total Recoverable	Ground Water	3005A	
660-47671-3	DUPLICATE NOT BLANK 47671	Total Recoverable	Ground Water	3005A	
660-47671-4	TH-19	Total Recoverable	Ground Water	3005A	
660-47671-5	TH-22A	Total Recoverable	Ground Water	3005A	
660-47671-6	TH-66A	Total Recoverable	Ground Water	3005A	
660-47671-7	TH-65	Total Recoverable	Ground Water	3005A	
660-47671-8	BLANK EQUIPMENT 47671	Total Recoverable	Ground Water	3005A	
LCS 680-238676/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-238676/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 238866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-65638-B-5-B MS	Matrix Spike	Dissolved	Water	6020A	238676
400-65638-B-5-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020A	238676
640-38674-A-10-F MS	Matrix Spike	Total Recoverable	Water	6020A	238504
640-38674-A-10-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	238504
660-47671-1	TH-67	Total Recoverable	Ground Water	6020A	238676
660-47671-2	TH-61A	Total Recoverable	Ground Water	6020A	238676
660-47671-3	DUPLICATE NOT BLANK 47671	Total Recoverable	Ground Water	6020A	238676
660-47671-4	TH-19	Total Recoverable	Ground Water	6020A	238676
660-47671-5	TH-22A	Total Recoverable	Ground Water	6020A	238676
660-47671-6	TH-66A	Total Recoverable	Ground Water	6020A	238676
660-47671-7	TH-65	Total Recoverable	Ground Water	6020A	238676
660-47671-8	BLANK EQUIPMENT 47671	Total Recoverable	Ground Water	6020A	238676
660-47707-1	TH-69A	Total Recoverable	Ground Water	6020A	238504
660-47707-2	TH-71A	Total Recoverable	Ground Water	6020A	238504

Metals (Continued)

Analysis Batch: 238866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47707-3	TH-70A	Total Recoverable	Ground Water	6020A	238504
660-47707-4	TH-64	Total Recoverable	Ground Water	6020A	238504
660-47707-5	BLANK EQUIPMENT 47707	Total Recoverable	Ground Water	6020A	238504
LCS 680-238504/2-A	Lab Control Sample	Total Recoverable	Water	6020A	238504
LCS 680-238676/2-A	Lab Control Sample	Total Recoverable	Water	6020A	238676
MB 680-238504/1-A	Method Blank	Total Recoverable	Water	6020A	238504
MB 680-238676/1-A	Method Blank	Total Recoverable	Water	6020A	238676

Analysis Batch: 238903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-2	WEEKS	Total Recoverable	Ground Water	6020A	238671
660-47642-3	KEEN JR	Total Recoverable	Ground Water	6020A	238671
660-47642-4	HOLLAND	Total Recoverable	Ground Water	6020A	238671
660-47642-5	BARNES	Total Recoverable	Ground Water	6020A	238671
660-47642-6	TH-28A	Total Recoverable	Ground Water	6020A	238671
660-47642-7	TH-58	Total Recoverable	Ground Water	6020A	238671
660-47642-8	TH-40	Total Recoverable	Ground Water	6020A	238671
660-47642-9	TH-36A	Total Recoverable	Ground Water	6020A	238671
660-47642-10	TH-57	Total Recoverable	Ground Water	6020A	238671
660-47642-10 MS	TH-57	Total Recoverable	Ground Water	6020A	238671
660-47642-10 MSD	TH-57	Total Recoverable	Ground Water	6020A	238671
LCS 680-238671/2-A	Lab Control Sample	Total Recoverable	Water	6020A	238671
MB 680-238671/1-A	Method Blank	Total Recoverable	Water	6020A	238671

Analysis Batch: 238982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-79618-D-1-H MS	Matrix Spike	Dissolved	Water	6020A	238506
680-79618-D-1-I MSD	Matrix Spike Duplicate	Dissolved	Water	6020A	238506
LCS 680-238506/2-A	Lab Control Sample	Total Recoverable	Water	6020A	238506
MB 680-238506/1-A	Method Blank	Total Recoverable	Water	6020A	238506

Analysis Batch: 239023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-2	WEEKS	Total Recoverable	Ground Water	6020A	238671
660-47642-3	KEEN JR	Total Recoverable	Ground Water	6020A	238671
660-47642-4	HOLLAND	Total Recoverable	Ground Water	6020A	238671
660-47642-5	BARNES	Total Recoverable	Ground Water	6020A	238671
660-47642-6	TH-28A	Total Recoverable	Ground Water	6020A	238671
660-47642-7	TH-58	Total Recoverable	Ground Water	6020A	238671
660-47642-8	TH-40	Total Recoverable	Ground Water	6020A	238671
660-47642-9	TH-36A	Total Recoverable	Ground Water	6020A	238671
660-47642-10	TH-57	Total Recoverable	Ground Water	6020A	238671
660-47642-10 MS	TH-57	Total Recoverable	Ground Water	6020A	238671
660-47642-10 MSD	TH-57	Total Recoverable	Ground Water	6020A	238671
LCS 680-238671/2-A	Lab Control Sample	Total Recoverable	Water	6020A	238671
MB 680-238671/1-A	Method Blank	Total Recoverable	Water	6020A	238671

Prep Batch: 239028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total Recoverable	Ground Water	3005A	
680-79778-A-31-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-79778-A-31-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 239028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-239028/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-239028/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 239126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total Recoverable	Ground Water	6020A	239028
680-79778-A-31-B MS	Matrix Spike	Total Recoverable	Water	6020A	239028
680-79778-A-31-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	239028
LCS 680-239028/2-A	Lab Control Sample	Total Recoverable	Water	6020A	239028
MB 680-239028/1-A	Method Blank	Total Recoverable	Water	6020A	239028

General Chemistry

Analysis Batch: 92963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-38741-P-1 DU	Duplicate	Total/NA	Water	SM 5310C	
640-38741-Q-1 MS	Matrix Spike	Total/NA	Water	SM 5310C	
640-38741-R-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5310C	
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	SM 5310C	
660-47642-2	WEEKS	Total/NA	Ground Water	SM 5310C	
660-47642-3	KEEN JR	Total/NA	Ground Water	SM 5310C	
660-47642-4	HOLLAND	Total/NA	Ground Water	SM 5310C	
660-47642-5	BARNES	Total/NA	Ground Water	SM 5310C	
LCS 640-92963/42	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 640-92963/43	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
MB 640-92963/41	Method Blank	Total/NA	Water	SM 5310C	

Analysis Batch: 124512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	353.2	
660-47642-2	WEEKS	Total/NA	Ground Water	353.2	
660-47642-2 MS	WEEKS	Total/NA	Ground Water	353.2	
660-47642-2 MSD	WEEKS	Total/NA	Ground Water	353.2	
660-47642-3	KEEN JR	Total/NA	Ground Water	353.2	
660-47642-4	HOLLAND	Total/NA	Ground Water	353.2	
660-47642-5	BARNES	Total/NA	Ground Water	353.2	
660-47642-6	TH-28A	Total/NA	Ground Water	353.2	
660-47642-7	TH-58	Total/NA	Ground Water	353.2	
660-47642-8	TH-40	Total/NA	Ground Water	353.2	
660-47642-9	TH-36A	Total/NA	Ground Water	353.2	
660-47642-10	TH-57	Total/NA	Ground Water	353.2	
660-47642-10 MS	TH-57	Total/NA	Ground Water	353.2	
660-47642-10 MSD	TH-57	Total/NA	Ground Water	353.2	
LCS 660-124512/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-124512/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 124556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	353.2	
660-47671-1 MS	TH-67	Total/NA	Ground Water	353.2	
660-47671-1 MSD	TH-67	Total/NA	Ground Water	353.2	
660-47671-2	TH-61A	Total/NA	Ground Water	353.2	

General Chemistry (Continued)

Analysis Batch: 124556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	353.2	
660-47671-4	TH-19	Total/NA	Ground Water	353.2	
660-47671-5	TH-22A	Total/NA	Ground Water	353.2	
660-47671-6	TH-66A	Total/NA	Ground Water	353.2	
660-47671-7	TH-65	Total/NA	Ground Water	353.2	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	353.2	
LCS 660-124556/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-124556/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 124589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	SM 2540D	
660-47642-2	WEEKS	Total/NA	Ground Water	SM 2540D	
660-47642-3	KEEN JR	Total/NA	Ground Water	SM 2540D	
660-47642-4	HOLLAND	Total/NA	Ground Water	SM 2540D	
660-47642-5	BARNES	Total/NA	Ground Water	SM 2540D	
660-47659-C-1 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 660-124589/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 660-124589/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 124611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47632-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	SM 2540C	
660-47642-2	WEEKS	Total/NA	Ground Water	SM 2540C	
660-47642-3	KEEN JR	Total/NA	Ground Water	SM 2540C	
660-47642-4	HOLLAND	Total/NA	Ground Water	SM 2540C	
660-47642-5	BARNES	Total/NA	Ground Water	SM 2540C	
660-47642-6	TH-28A	Total/NA	Ground Water	SM 2540C	
660-47642-7	TH-58	Total/NA	Ground Water	SM 2540C	
660-47642-8	TH-40	Total/NA	Ground Water	SM 2540C	
660-47642-9	TH-36A	Total/NA	Ground Water	SM 2540C	
660-47642-10	TH-57	Total/NA	Ground Water	SM 2540C	
660-47671-1	TH-67	Total/NA	Ground Water	SM 2540C	
660-47671-2	TH-61A	Total/NA	Ground Water	SM 2540C	
660-47671-4	TH-19	Total/NA	Ground Water	SM 2540C	
660-47671-4 DU	TH-19	Total/NA	Ground Water	SM 2540C	
LCS 660-124611/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-124611/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 124615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47707-1	TH-69A	Total/NA	Ground Water	353.2	
660-47707-1 MS	TH-69A	Total/NA	Ground Water	353.2	
660-47707-1 MSD	TH-69A	Total/NA	Ground Water	353.2	
660-47707-2	TH-71A	Total/NA	Ground Water	353.2	
660-47707-3	TH-70A	Total/NA	Ground Water	353.2	
660-47707-4	TH-64	Total/NA	Ground Water	353.2	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	353.2	
LCS 660-124615/4	Lab Control Sample	Total/NA	Water	353.2	
MB 660-124615/3	Method Blank	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 124679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	350.1	
660-47671-2	TH-61A	Total/NA	Ground Water	350.1	
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	350.1	
660-47671-4	TH-19	Total/NA	Ground Water	350.1	
660-47671-5	TH-22A	Total/NA	Ground Water	350.1	
660-47671-6	TH-66A	Total/NA	Ground Water	350.1	
660-47671-7	TH-65	Total/NA	Ground Water	350.1	
660-47707-1	TH-69A	Total/NA	Ground Water	350.1	
660-47707-1 MS	TH-69A	Total/NA	Ground Water	350.1	
660-47707-1 MSD	TH-69A	Total/NA	Ground Water	350.1	
660-47707-2	TH-71A	Total/NA	Ground Water	350.1	
660-47707-3	TH-70A	Total/NA	Ground Water	350.1	
660-47707-4	TH-64	Total/NA	Ground Water	350.1	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	350.1	
660-47710-D-1 MS	Matrix Spike	Total/NA	Water	350.1	
660-47710-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
LCS 660-124679/12	Lab Control Sample	Total/NA	Water	350.1	
MB 660-124679/11	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 124686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	SM 2540C	
660-47671-3 DU	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	SM 2540C	
660-47671-5	TH-22A	Total/NA	Ground Water	SM 2540C	
660-47671-6	TH-66A	Total/NA	Ground Water	SM 2540C	
660-47671-7	TH-65	Total/NA	Ground Water	SM 2540C	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	SM 2540C	
LCS 660-124686/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-124686/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 124718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47687-F-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-47707-1	TH-69A	Total/NA	Ground Water	SM 2540C	
660-47707-2	TH-71A	Total/NA	Ground Water	SM 2540C	
660-47707-3	TH-70A	Total/NA	Ground Water	SM 2540C	
660-47707-4	TH-64	Total/NA	Ground Water	SM 2540C	
LCS 660-124718/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-124718/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 124730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	SM 2540C	
660-47736-M-1 DU	Duplicate	Total/NA	Water	SM 2540C	
LCS 660-124730/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-124730/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 124831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	300.0	
660-47671-2	TH-61A	Total/NA	Ground Water	300.0	
660-47671-3	DUPLICATE NOT BLANK 47671	Total/NA	Ground Water	300.0	

General Chemistry (Continued)

Analysis Batch: 124831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-4	TH-19	Total/NA	Ground Water	300.0	
660-47671-4 MS	TH-19	Total/NA	Ground Water	300.0	
660-47671-4 MSD	TH-19	Total/NA	Ground Water	300.0	
660-47671-5	TH-22A	Total/NA	Ground Water	300.0	
660-47671-6	TH-66A	Total/NA	Ground Water	300.0	
660-47671-7	TH-65	Total/NA	Ground Water	300.0	
LCS 660-124831/5	Lab Control Sample	Total/NA	Water	300.0	
MB 660-124831/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 124832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47539-C-5 MS ^4	Matrix Spike	Total/NA	Water	300.0	
660-47539-C-5 MSD ^4	Matrix Spike Duplicate	Total/NA	Water	300.0	
660-47539-C-8 MS	Matrix Spike	Total/NA	Water	300.0	
660-47539-C-8 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
660-47707-1	TH-69A	Total/NA	Ground Water	300.0	
660-47707-2	TH-71A	Total/NA	Ground Water	300.0	
660-47707-3	TH-70A	Total/NA	Ground Water	300.0	
660-47707-4	TH-64	Total/NA	Ground Water	300.0	
660-47707-5	BLANK EQUIPMENT 47707	Total/NA	Ground Water	300.0	
LCS 660-124832/3	Lab Control Sample	Total/NA	Water	300.0	
MB 660-124832/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 124855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	300.0	
660-47689-M-5 MS	Matrix Spike	Total/NA	Water	300.0	
660-47689-M-5 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 660-124855/5	Lab Control Sample	Total/NA	Water	300.0	
MB 660-124855/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 124908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	350.1	
660-47642-2	WEEKS	Total/NA	Ground Water	350.1	
660-47642-2 MS	WEEKS	Total/NA	Ground Water	350.1	
660-47642-2 MSD	WEEKS	Total/NA	Ground Water	350.1	
660-47642-3	KEEN JR	Total/NA	Ground Water	350.1	
660-47642-4	HOLLAND	Total/NA	Ground Water	350.1	
660-47642-5	BARNES	Total/NA	Ground Water	350.1	
660-47642-6	TH-28A	Total/NA	Ground Water	350.1	
660-47642-7	TH-58	Total/NA	Ground Water	350.1	
660-47642-8	TH-40	Total/NA	Ground Water	350.1	
660-47642-9	TH-36A	Total/NA	Ground Water	350.1	
660-47642-10	TH-57	Total/NA	Ground Water	350.1	
660-47671-8	BLANK EQUIPMENT 47671	Total/NA	Ground Water	350.1	
LCS 660-124908/4	Lab Control Sample	Total/NA	Water	350.1	
MB 660-124908/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 124951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	300.0	

General Chemistry (Continued)

Analysis Batch: 124951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-2	WEEKS	Total/NA	Ground Water	300.0	
660-47642-3	KEEN JR	Total/NA	Ground Water	300.0	
660-47642-4	HOLLAND	Total/NA	Ground Water	300.0	
660-47642-5	BARNES	Total/NA	Ground Water	300.0	
660-47642-5 MS	BARNES	Total/NA	Ground Water	300.0	
660-47642-5 MSD	BARNES	Total/NA	Ground Water	300.0	
660-47642-6	TH-28A	Total/NA	Ground Water	300.0	
660-47642-7	TH-58	Total/NA	Ground Water	300.0	
660-47642-8	TH-40	Total/NA	Ground Water	300.0	
660-47642-8 MS	TH-40	Total/NA	Ground Water	300.0	
660-47642-8 MSD	TH-40	Total/NA	Ground Water	300.0	
660-47642-9	TH-36A	Total/NA	Ground Water	300.0	
660-47642-10	TH-57	Total/NA	Ground Water	300.0	
LCS 660-124951/5	Lab Control Sample	Total/NA	Water	300.0	
MB 660-124951/4	Method Blank	Total/NA	Water	300.0	

Field Service / Mobile Lab

Analysis Batch: 124532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-2	WEEKS	Total/NA	Ground Water	Field Sampling	
660-47642-3	KEEN JR	Total/NA	Ground Water	Field Sampling	
660-47642-4	HOLLAND	Total/NA	Ground Water	Field Sampling	
660-47642-5	BARNES	Total/NA	Ground Water	Field Sampling	
660-47642-6	TH-28A	Total/NA	Ground Water	Field Sampling	
660-47642-7	TH-58	Total/NA	Ground Water	Field Sampling	
660-47642-8	TH-40	Total/NA	Ground Water	Field Sampling	
660-47642-9	TH-36A	Total/NA	Ground Water	Field Sampling	
660-47642-10	TH-57	Total/NA	Ground Water	Field Sampling	

Analysis Batch: 124592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47671-1	TH-67	Total/NA	Ground Water	Field Sampling	
660-47671-2	TH-61A	Total/NA	Ground Water	Field Sampling	
660-47671-4	TH-19	Total/NA	Ground Water	Field Sampling	
660-47671-5	TH-22A	Total/NA	Ground Water	Field Sampling	
660-47671-6	TH-66A	Total/NA	Ground Water	Field Sampling	
660-47671-7	TH-65	Total/NA	Ground Water	Field Sampling	
660-47707-1	TH-69A	Total/NA	Ground Water	Field Sampling	
660-47707-2	TH-71A	Total/NA	Ground Water	Field Sampling	
660-47707-3	TH-70A	Total/NA	Ground Water	Field Sampling	
660-47707-4	TH-64	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

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

TestAmerica Job ID: 660-47642-1

Client Sample ID: BLANK EQUIPMENT 47642

Lab Sample ID: 660-47642-1

Date Collected: 05/14/12 09:30
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 15:51	AP	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 19:51	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:39	JKL	TAL SAV
Total Recoverable	Prep	3005A			239028	06/01/12 09:50	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	239126	06/02/12 20:28	RAM	TAL SAV
Total/NA	Analysis	SM 5310C		1	92963	05/30/12 09:26	AJN	TAL TAL
Total/NA	Analysis	353.2		1	124512	05/15/12 14:17	EM	TAL TAM
Total/NA	Analysis	SM 2540D		1	124589	05/17/12 10:12	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:11	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:59	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 10:27	KW	TAL TAM

Client Sample ID: WEEKS

Lab Sample ID: 660-47642-2

Date Collected: 05/14/12 10:04
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 16:12	AP	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 20:09	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:42	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:15	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 02:49	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	92963	05/30/12 09:39	AJN	TAL TAL
Total/NA	Analysis	353.2		1	124512	05/15/12 14:18	EM	TAL TAM
Total/NA	Analysis	SM 2540D		1	124589	05/17/12 10:12	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:11	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:46	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 10:43	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 10:04		TAL TAM

Client Sample ID: KEEN JR

Lab Sample ID: 660-47642-3

Date Collected: 05/14/12 12:09
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 16:35	AP	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 20:27	SCC	TAL TAM

Client Sample ID: KEEN JR
Date Collected: 05/14/12 12:09
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:45	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:22	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 02:56	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	92963	05/30/12 09:51	AJN	TAL TAL
Total/NA	Analysis	353.2		1	124512	05/15/12 14:22	EM	TAL TAM
Total/NA	Analysis	SM 2540D		1	124589	05/17/12 10:12	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:12	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:50	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 10:58	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 12:09		TAL TAM

Client Sample ID: HOLLAND
Date Collected: 05/14/12 10:49
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 16:57	AP	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 20:44	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:49	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:30	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:04	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	92963	05/30/12 10:03	AJN	TAL TAL
Total/NA	Analysis	353.2		1	124512	05/15/12 14:23	EM	TAL TAM
Total/NA	Analysis	SM 2540D		1	124589	05/17/12 10:12	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:12	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:51	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 11:14	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 10:49		TAL TAM

Client Sample ID: BARNES
Date Collected: 05/14/12 11:34
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 17:17	AP	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 21:02	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV

Client Sample ID: BARNES
Date Collected: 05/14/12 11:34
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	238210	05/22/12 14:52	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:37	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:11	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	92963	05/30/12 10:15	AJN	TAL TAL
Total/NA	Analysis	353.2		1	124512	05/15/12 14:24	EM	TAL TAM
Total/NA	Analysis	SM 2540D		1	124589	05/17/12 10:12	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:12	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:52	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 12:00	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 00:00		TAL TAM

Client Sample ID: TH-28A
Date Collected: 05/14/12 14:08
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124635	05/17/12 09:11	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 21:20	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:55	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:44	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:18	BR	TAL SAV
Total/NA	Analysis	353.2		1	124512	05/15/12 14:26	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:53	TO	TAL TAM
Total/NA	Analysis	300.0		4	124951	05/29/12 11:29	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 13:34		TAL TAM

Client Sample ID: TH-58
Date Collected: 05/14/12 14:44
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124635	05/17/12 09:33	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 21:38	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 14:59	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:52	CE	TAL SAV

Client Sample ID: TH-58
Date Collected: 05/14/12 14:44
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:26	BR	TAL SAV
Total/NA	Analysis	353.2		1	124512	05/15/12 14:27	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:13	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:54	TO	TAL TAM
Total/NA	Analysis	300.0		4	124951	05/29/12 11:45	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 14:44		TAL TAM

Client Sample ID: TH-40
Date Collected: 05/14/12 12:57
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124635	05/17/12 11:47	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 21:56	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 15:09	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 13:59	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:33	BR	TAL SAV
Total/NA	Analysis	353.2		1	124512	05/15/12 14:28	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:14	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:56	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 13:17	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 00:00		TAL TAM

Client Sample ID: TH-36A
Date Collected: 05/14/12 15:22
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124635	05/17/12 12:07	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 22:13	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 15:12	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 14:21	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 03:55	BR	TAL SAV
Total/NA	Analysis	353.2		1	124512	05/15/12 14:29	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:14	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:57	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 14:03	KW	TAL TAM

Client Sample ID: TH-36A
Date Collected: 05/14/12 15:22
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-9
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	124532	05/14/12 15:22		TAL TAM

Client Sample ID: TH-57
Date Collected: 05/14/12 13:38
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124635	05/17/12 12:28	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/23/12 22:49	SCC	TAL TAM
Total/NA	Prep	7470A			237827	05/18/12 14:22	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 15:16	JKL	TAL SAV
Total Recoverable	Prep	3005A			238671	05/29/12 11:16	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238903	05/30/12 14:28	CE	TAL SAV
Total Recoverable	Analysis	6020A		1	239023	06/01/12 04:02	BR	TAL SAV
Total/NA	Analysis	353.2		1	124512	05/15/12 14:33	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:15	TO	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 10:58	TO	TAL TAM
Total/NA	Analysis	300.0		1	124951	05/29/12 14:19	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124532	05/14/12 13:38		TAL TAM

Client Sample ID: BLANK TRAVEL 47642
Date Collected: 05/14/12 09:27
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-11
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124542	05/16/12 15:29	AP	TAL TAM

Client Sample ID: TH-67
Date Collected: 05/15/12 11:09
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 08:23	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 15:36	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:36	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 02:38	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:31	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:18	TO	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:10	TO	TAL TAM

Client Sample ID: TH-67
Date Collected: 05/15/12 11:09
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		4	124831	05/23/12 11:45	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 11:09		TAL TAM

Client Sample ID: TH-61A
Date Collected: 05/15/12 12:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 08:41	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 15:54	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:39	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 02:45	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:35	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:20	TO	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:12	TO	TAL TAM
Total/NA	Analysis	300.0		1	124831	05/23/12 18:57	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 12:58		TAL TAM

Client Sample ID: DUPLICATE NOT BLANK 47671
Date Collected: 05/15/12 00:00
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 10:31	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 16:12	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:42	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 02:52	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:36	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:13	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124686	05/21/12 07:00	TO	TAL TAM
Total/NA	Analysis	300.0		1	124831	05/23/12 12:16	KW	TAL TAM

Client Sample ID: TH-19
Date Collected: 05/15/12 13:58
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 10:49	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 16:30	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:46	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 03:00	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:37	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124611	05/17/12 14:20	TO	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:14	TO	TAL TAM
Total/NA	Analysis	300.0		1	124831	05/23/12 13:48	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 13:58		TAL TAM

Client Sample ID: TH-22A
Date Collected: 05/15/12 10:21
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 11:07	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 16:47	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:49	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 03:07	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:38	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:15	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124686	05/21/12 07:02	TO	TAL TAM
Total/NA	Analysis	300.0		1	124831	05/23/12 12:31	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 10:21		TAL TAM

Client Sample ID: TH-66A
Date Collected: 05/15/12 11:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 11:25	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 13:50	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:53	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 03:14	CE	TAL SAV

Client Sample ID: TH-66A
Date Collected: 05/15/12 11:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	124556	05/16/12 12:39	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:17	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124686	05/21/12 07:04	TO	TAL TAM
Total/NA	Analysis	300.0		2	124831	05/23/12 19:12	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 11:43		TAL TAM

Client Sample ID: TH-65
Date Collected: 05/15/12 12:28
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 11:43	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 17:05	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:56	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 03:22	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:41	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 11:18	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124686	05/21/12 07:05	TO	TAL TAM
Total/NA	Analysis	300.0		1	124831	05/23/12 13:02	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/15/12 12:28		TAL TAM

Client Sample ID: BLANK EQUIPMENT 47671
Date Collected: 05/15/12 09:45
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 09:55	EC	TAL TAM
Total/NA	Prep	8011			124551	05/16/12 13:34	SCC	TAL TAM
Total/NA	Analysis	8011		1	124621	05/17/12 17:41	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 13:06	JKL	TAL SAV
Total Recoverable	Prep	3005A			238676	05/29/12 11:41	RAM	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/30/12 03:29	CE	TAL SAV
Total/NA	Analysis	353.2		1	124556	05/16/12 12:42	EM	TAL TAM
Total/NA	Analysis	SM 2540C		1	124686	05/21/12 07:06	TO	TAL TAM
Total/NA	Analysis	300.0		1	124855	05/24/12 14:59	KW	TAL TAM
Total/NA	Analysis	350.1		1	124908	05/26/12 11:09	TO	TAL TAM

Client Sample ID: BLANK TRAVEL 47671
Date Collected: 05/15/12 09:43
Date Received: 05/15/12 15:15

Lab Sample ID: 660-47671-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 10:13	EC	TAL TAM

Client Sample ID: TH-69A
Date Collected: 05/16/12 11:36
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 12:01	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/24/12 00:53	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:06	JKL	TAL SAV
Total Recoverable	Prep	3005A			238504	05/25/12 12:23	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/29/12 22:22	CE	TAL SAV
Total/NA	Analysis	353.2		1	124615	05/17/12 12:50	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 10:47	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124718	05/21/12 11:22	TO	TAL TAM
Total/NA	Analysis	300.0		4	124832	05/23/12 11:11	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/16/12 11:36		TAL TAM

Client Sample ID: TH-71A
Date Collected: 05/16/12 11:03
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 12:19	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/24/12 01:11	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:16	JKL	TAL SAV
Total Recoverable	Prep	3005A			238504	05/25/12 12:23	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/29/12 22:30	CE	TAL SAV
Total/NA	Analysis	353.2		1	124615	05/17/12 12:54	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 10:51	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124718	05/21/12 11:22	TO	TAL TAM
Total/NA	Analysis	300.0		4	124832	05/23/12 11:27	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/16/12 11:03		TAL TAM

Client Sample ID: TH-70A
Date Collected: 05/16/12 12:07
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 12:37	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/24/12 01:28	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:26	JKL	TAL SAV
Total Recoverable	Prep	3005A			238504	05/25/12 12:23	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/29/12 22:37	CE	TAL SAV
Total/NA	Analysis	353.2		1	124615	05/17/12 12:55	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 10:52	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124718	05/21/12 11:22	TO	TAL TAM
Total/NA	Analysis	300.0		4	124832	05/23/12 11:43	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/16/12 12:07		TAL TAM

Client Sample ID: TH-64
Date Collected: 05/16/12 10:26
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 12:55	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/24/12 01:46	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:29	JKL	TAL SAV
Total Recoverable	Prep	3005A			238504	05/25/12 12:23	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/29/12 22:44	CE	TAL SAV
Total/NA	Analysis	353.2		1	124615	05/17/12 12:56	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 10:53	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124718	05/21/12 11:23	TO	TAL TAM
Total/NA	Analysis	300.0		1	124832	05/23/12 11:58	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	124592	05/16/12 10:26		TAL TAM

Client Sample ID: BLANK EQUIPMENT 47707
Date Collected: 05/16/12 09:55
Date Received: 05/16/12 14:20

Lab Sample ID: 660-47707-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 13:13	EC	TAL TAM
Total/NA	Prep	8011			124843	05/23/12 15:00	SCC	TAL TAM
Total/NA	Analysis	8011		1	124865	05/24/12 02:21	SCC	TAL TAM
Total/NA	Prep	7470A			237779	05/18/12 10:12	JKL	TAL SAV
Total/NA	Analysis	7470A		1	238210	05/22/12 12:33	JKL	TAL SAV
Total Recoverable	Prep	3005A			238504	05/25/12 12:23	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	238866	05/29/12 22:52	CE	TAL SAV

Client Sample ID: BLANK EQUIPMENT 47707 — **Lab Sample ID: 660-47707-5**
Date Collected: 05/16/12 09:55 — **Matrix: Ground Water**
Date Received: 05/16/12 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	124615	05/17/12 12:57	EM	TAL TAM
Total/NA	Analysis	350.1		1	124679	05/19/12 10:54	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	124730	05/21/12 13:57	TO	TAL TAM
Total/NA	Analysis	300.0		1	124832	05/23/12 12:14	KW	TAL TAM

Client Sample ID: BLANK TRAVEL 47707 — **Lab Sample ID: 660-47707-6**
Date Collected: 05/16/12 09:52 — **Matrix: Ground Water**
Date Received: 05/16/12 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	124707	05/18/12 13:31	EC	TAL TAM

Laboratory References:

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

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

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

Certification Summary

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

TestAmerica Job ID: 660-47642-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	Federal		P330-11-00177
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	State Program	6	N/A
TestAmerica Savannah	Arkansas DEQ	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	GA Dept. of Agriculture	State Program	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Georgia	State Program	4	N/A
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Kentucky (UST)	State Program	4	18
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina DENR	State Program	4	269
TestAmerica Savannah	North Carolina DHHS	State Program	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	Federal		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	State Program	3	9950C
TestAmerica Savannah	West Virginia DEP	State Program	3	94
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q
TestAmerica Tallahassee	Florida	NELAC	4	E81005

Certification Summary

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

TestAmerica Job ID: 660-47642-1

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

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

Method Summary

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

TestAmerica Job ID: 660-47642-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL TAM
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8011	EDB and DBCP in Water by Microextraction	EPA	TAL TAM
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAM
6020A	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL TAM
350.1	Nitrogen, Ammonia	MCAWW	TAL TAM
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAM
353.2	Nitrate	MCAWW	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL TAM
SM 5310C	TOC	SM	TAL TAL
Field Sampling	Field Sampling	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

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

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

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

Sample Summary

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

TestAmerica Job ID: 660-47642-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-47642-1	BLANK EQUIPMENT 47642	Ground Water	05/14/12 09:30	05/14/12 16:35
660-47642-2	WEEKS	Ground Water	05/14/12 10:04	05/14/12 16:35
660-47642-3	KEEN JR	Ground Water	05/14/12 12:09	05/14/12 16:35
660-47642-4	HOLLAND	Ground Water	05/14/12 10:49	05/14/12 16:35
660-47642-5	BARNES	Ground Water	05/14/12 11:34	05/14/12 16:35
660-47642-6	TH-28A	Ground Water	05/14/12 14:08	05/14/12 16:35
660-47642-7	TH-58	Ground Water	05/14/12 14:44	05/14/12 16:35
660-47642-8	TH-40	Ground Water	05/14/12 12:57	05/14/12 16:35
660-47642-9	TH-36A	Ground Water	05/14/12 15:22	05/14/12 16:35
660-47642-10	TH-57	Ground Water	05/14/12 13:38	05/14/12 16:35
660-47642-11	BLANK TRAVEL 47642	Ground Water	05/14/12 09:27	05/14/12 16:35
660-47671-1	TH-67	Ground Water	05/15/12 11:09	05/15/12 15:15
660-47671-2	TH-61A	Ground Water	05/15/12 12:58	05/15/12 15:15
660-47671-3	DUPLICATE NOT BLANK 47671	Ground Water	05/15/12 00:00	05/15/12 15:15
660-47671-4	TH-19	Ground Water	05/15/12 13:58	05/15/12 15:15
660-47671-5	TH-22A	Ground Water	05/15/12 10:21	05/15/12 15:15
660-47671-6	TH-66A	Ground Water	05/15/12 11:43	05/15/12 15:15
660-47671-7	TH-65	Ground Water	05/15/12 12:28	05/15/12 15:15
660-47671-8	BLANK EQUIPMENT 47671	Ground Water	05/15/12 09:45	05/15/12 15:15
660-47671-9	BLANK TRAVEL 47671	Ground Water	05/15/12 09:43	05/15/12 15:15
660-47707-1	TH-69A	Ground Water	05/16/12 11:36	05/16/12 14:20
660-47707-2	TH-71A	Ground Water	05/16/12 11:03	05/16/12 14:20
660-47707-3	TH-70A	Ground Water	05/16/12 12:07	05/16/12 14:20
660-47707-4	TH-64	Ground Water	05/16/12 10:26	05/16/12 14:20
660-47707-5	BLANK EQUIPMENT 47707	Ground Water	05/16/12 09:55	05/16/12 14:20
660-47707-6	BLANK TRAVEL 47707	Ground Water	05/16/12 09:52	05/16/12 14:20

660-47642

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: _____ REP. OF SOLID WASTE DEPT. 5-14-12 9:25

LOCATION: **BLANK, EQUIPMENT** 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
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 | 9:30

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: _____ REP. OF SOLID WASTE DEPT. 5-14-12 3:34
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO# 0060 Rel JFine 5/14/12 1635
Rec Carol McNulty 5/14/12 1635

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. 5-14-12 | 9:25

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 5-14-12 TIME 9:45

ACTUAL PURGE TIME: ____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	10:00	23.8	560	6.89	1.22	.90
JF	10:02	23.8	560	6.89	1.22	.53
JF	10:04	23.8	560	6.89	1.21	.63

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 | 10:04

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 | 3:34
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO #0060 [signature] 5/14/12 1635
Rec'd [signature] 5/14/12 1635

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. 5-14-12 | 9:25

LOCATION: Keen Jr. WACS# 28079 SAMPLE MATRIX: WATER OTHER MATRIX: ____

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

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 5-14-12 TIME 11:50

ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY		TIME	TEMP	COND	PH	DO	TURB
AB	VC	12:05	25.8	349	7.33	.22	.56
AB	JF	12:07	25.7	348	7.34	.22	.44
AB	JF	12:09	25.7	349	7.33	.22	.41

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME
5-14-12 | 12:09

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 3:34

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO#00080 rel JF 5/14/12 1635

Rec'd Carol McNulty 5/14/12 1635

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. 5-14-12 9:25

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 5-14-12 TIME ____

ACTUAL PURGE TIME: ____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	10:45	24.2	407	6.98	.24	.39
AB JF	10:47	24.2	407	6.98	.25	.35
AB JF	10:49	24.2	407	6.99	.24	.09

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 | 10:48

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. 5-14-12 3:34

ACCEPTED BY: TFree REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT'S: WO#00B0 rel TFree 5/14/12 1638

Recd [illegible] McNulty 5/14/12 1635

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 5-14-12 | 9:25

LOCATION: **BARNES WACS# 881** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ ~~A.~~ **A.Balloon** ☐ JF ☐

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 5-14-12 TIME ____

ACTUAL PURGE TIME: ____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	11:30	24.8	721	7.24	4.03	.41
JF	11:32	24.8	372	7.25	4.01	.45
JF	11:34	24.7	372	7.24	3.97	.23

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 |

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 | 3:34

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO ~~5#~~ 0060 rel [signature] 5/14/12 1635

Recd [signature] 5/14/12 1635

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: A Balloon REP. OF SOLID WASTE DEPT. 5-14-12 9:25

LOCATION: **TH-28A WACS# 19862** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 34.30 Ft.
DEPTH TO WATER: 29.80 Ft.
LENGTH OF WATER COL: 4.5 Ft.
VOLUME TO PURGE: .72 Gal.

DATE | TIME
PURGE STARTED: 5-14-12 | 1:56
PURGE RATE: .10 GPM.
DATE | TIME
PURGE ENDED: 5-14-12 | 2:08
ACT. VOL. PURGED: 1.2 GAL.
Draw Down: 29.80

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
B3 JF	1:28	25.9	147	4.94	.52	.27
B2 JF	1:31	25.9	149	4.93	.44	.43
B3 JF	1:34	26.0	152	4.97	.36	.32
	1408	26.9	308	5.16	1.88	19.3

MM 5-16-12

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-14-12 | ~~1334~~ 1408

MM 5-16-12

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: A Balloon REP. OF SOLID WASTE DEPT DATE | TIME 5-14-12 | 3:34
ACCEPTED BY: JF REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT`S: WO#0260 rel JF 5/14/12 1635
Rec'd Carol McNulty 5/14/12 1635

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. 5-14-12 | 9:25

LOCATION: **TH-58 WACS# 1571** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 32.92 Ft.

DEPTH TO WATER: 29.21 Ft.

LENGTH OF WATER COL: 3.71 Ft.

VOLUME TO PURGE: .5 Gal.

	DATE	TIME
PURGE STARTED:	5-14-12	2:34
PURGE RATE:	.10 GPM.	
	DATE	TIME
PURGE ENDED:	5-14-12	2:44
ACT. VOL. PURGED:	1 GAL.	
Draw Down:	29.50	

10

FIELD PARAMETERS:

	BY	TIME	TEMP	COND	PH	DO	TURB
MS	JF	2:40	26.1	545	5.66	1.61	5.76
MS	JF	2:42	26.1	534	5.65	1.40	3.80
MS	JF	2:44	26.1	531	5.65	1.36	3.39

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED

DATE | TIME

5-14-12 | 2:44

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. 5-14-12 | 3:34

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO# 0060 rel JFree 5/14/12 1635

Rec'd Carol McNulty 5/14/12 1635

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. 5-14-12 9:25

LOCATION: **TH-40 WACS# 822** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 165.90 Ft.
DEPTH TO WATER: 121.90 Ft.
LENGTH OF WATER COL: 44.00 Ft.
VOLUME TO PURGE: 7.0 Gal.

	DATE	TIME
PURGE STARTED:	5-14-12	12:45
PURGE RATE:	1.0	GPM.
PURGE ENDED:	5-14-12	12:57
ACT. VOL. PURGED:	12	GAL.
Draw Down:	123.29	

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
JF	12:53	23.5	353	6.46	.50	.52
JF	12:55	23.5	349	6.47	.48	1.02
JF	12:57	23.5	346	6.49	.47	.82

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED DATE	TIME
5-14-12	

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. 5-14-12 3:34
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT`S: WO# 0060 Rel JFox 5/14/12 1655
Rec'd Carol McNulty 5/14/12 1635

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. 5-14-12 9:25

LOCATION: **TH-36-A WACS# 20329** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 38.70 Ft.
DEPTH TO WATER: 35.24 Ft.
LENGTH OF WATER COL: 3.4 Ft.
VOLUME TO PURGE: .5 Gal.

DATE | TIME
PURGE STARTED: 5-14-12 3:06
PURGE RATE: .10 GPM.
DATE | TIME
PURGE ENDED: 5-14-12 3:22
ACT. VOL. PURGED: 1.6 GAL.
Draw Down: 35.24

16

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	9:18	25.5	232	5.45	1.63	9.46 =
AB JF	3:20	25.5	234	5.45	1.60	8.78
AB JF	3:22	25.5	234	5.44	1.57	8.86

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-14-12 3:22

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN SODIUM TDS
PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: AB JF REP. OF SOLID WASTE DEPT. 5-14-12 3:34
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT`S: wo# 0060 Rel JF Fire 5/14/12 1635
Rec'd Carol McTwilty 5/14/12 1635

2.7, 3.5, 0.9, 4.0° C4-07

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 | 9:25

LOCATION: TH-57 WACS# 1570 SAMPLE MATRIX: WATER OTHER MATRIX: ____
PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ A. Balloon ☑ JF ☐

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 26.83 Ft.
DEPTH TO WATER: 20.62 Ft.
LENGTH OF WATER COL: 6.21 Ft.
VOLUME TO PURGE: .9 Gal.

PURGE STARTED: (DATE | TIME) 5-14-12 | 1:18
PURGE RATE: .10 GPM.
PURGE ENDED: (DATE | TIME) 5-14-12 | 1:34
ACT. VOL. PURGED: 1.6 GAL.
Draw Down: 21.12

FIELD PARAMETERS: 16

	BY	TIME	TEMP	COND	PH	DO	TURB
AB	JF	1:28	25.4	147	4.94	.52	.27
AB	JF	1:31	25.9	148	4.92	.41	.43
AB	JF	1:38	26.0	152	4.92	.34	.32

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-14-12 | 1:38

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. 5-14-12 | 3:34
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT'S: W0#0060 rel [signature] 5/14/12 1635
Recd Carol McNulty 5/14/12 1635

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: A3 REP. OF SOLID WASTE DEPT. 5-14-12 | 9:25

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	5-14-12 | 9:27

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:	AB	REP. OF SOLID WASTE DEPT.	5-14-12 | 3:34
ACCEPTED BY:	[signature]	REP. OF CONTRACT LAB.	5-14-12 | 3:34

COMMENT`S: WO#00060 w/ J Fine 5/14/12 1635

Rec'd Carol McNulty 5/14/12 1635

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634

~~DEP-SOP-001/01~~

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: Weeks		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: private well valve

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 950

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
1000	750	750	5.0	na	6.89	23.8	560	1.22	0.90		clear	no
1002	10.0	850	5.0	na	6.89	23.8	560	1.22	0.53		Clear	no
1004	10.0	950	5.0	na	6.89	23.8	560	1.21	0.63		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: J. Santini / TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0924	SAMPLING ENDED AT: 1020

PUMP OR TUBING DEPTH IN WELL (feet): na | TUBING MATERIAL CODE: na | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N)(replaced) DUPLICATE: Y (N)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
See COC									

REMARKS:
plants meters used / let well purge 15 min before 1st read
Fa DLAR 0930 / Ozone 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 = 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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
~~DEP-SOP-001/01~~
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 041000342567 / YSI 08H10061~~

SITE NAME: HCSW / SECF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: Cleng	DATE: 8/14/12

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: Private well

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)
= (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): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1209	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1205	76.0	75.0	5.0	NA	7.33	25.8	349	.22	.56		clear	no
1207	10.0	85.0	5.0	NA	7.34	25.7	348	.22	.44		clear	no
1209	10.0	95.0	5.0	NA	7.33	25.7	349	.22	.41		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: Jason Hall TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Hall	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1250
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: NA	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
		See COC							

(SAMPLE CONTAINER SPECIFICATION: first four columns; SAMPLE PRESERVATION: next three columns)

REMARKS:
clients meter used. det well purge 15 min before 1st read 78°F cldy

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)

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: HACH 04100034256 / YSI 08H100641K

SITE NAME: Hollow / SELF	SITE LOCATION: Dam	
WELL NO:	SAMPLE ID: Hollow	DATE: 6/14/12

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: Private well

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)
= (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): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 1030	PURGING ENDED AT: 1049	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1045	750	750	5.0	NA	6.98	24.2	407	.24	0.39		Clear	yes
1047	1.40	890	5.0	NA	6.98	24.2	407	.23	12.35		Clear	yes
1049	10.0	950	5.0	NA	6.99	24.2	407	.21	.09		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: [illegible] TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1032	SAMPLING ENDED AT: 1058
PUMP OR TUBING DEPTH IN WELL (feet): NA	TUBING MATERIAL CODE: NA	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:
Dirty meters used / let well purge 5 min before 1st read Cloudy 75°F

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)

DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 04100034256 / YSI 08H100611~~ R

SITE NAME: HCSW / SELF		SITE LOCATION: Bdm	
WELL NO:	SAMPLE ID: Barnes		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: Private well

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1130	75.0	75.0	5.0	na	7.24	24.8	371	4.03	0.41		clear	no
1132	10.0	85.0	5.0	na	7.25	24.8	372	4.01	0.45		clear	no
1134	10.0	95.0	5.0	na	7.24	24.7	372	3.97	0.23		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: Jason Fr / TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Fr	SAMPLING INITIATED AT: 1115	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): na	TUBING MATERIAL CODE: na	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N)(replaced)	DUPLICATE: Y (N)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
See COC									

REMARKS:
Observed weather used / let well purge 15 min before 1st read 70°F cldy

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)

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DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H100614~~

SITE NAME: Hesw / SELF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 28A	DATE: 3/14/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.80	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)
= (34.30 feet – 29.80 (4.50) feet) X .16 gallons/foot = .72 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: 1356	PURGING ENDED AT: 1408	TOTAL VOLUME PURGED (gallons): 1.20

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
1404	.80	.80	.10	29.80	5.18	26.9	309	2.08	20.0		Clear	NO
1406	.20	1.0	.10	29.80	5.17	26.9	308	1.93	20.0		Clear	NO
1408	.20	1.20	.10	29.80	5.16	26.9	308	1.88	19.3		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: [illegible] / TATampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1353	SAMPLING ENDED AT: 1422
PUMP OR TUBING DEPTH IN WELL (feet): 33.30	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
			See COC						

REMARKS:
Odorless [illegible] dedicated pump & tubing 85°F Cloudy

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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: HeSa/ SECR		SITE LOCATION: Barn	
WELL NO:	SAMPLE ID: 7H58		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.21	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)
= (32.92 feet – 29.21 (3.71) feet) X .16 gallons/foot = .59 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): 31.92	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.92	PURGING INITIATED AT: 1434	PURGING ENDED AT: 1444	TOTAL VOLUME PURGED (gallons): 1.0

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
1440	.60	.60	.10	29.50	5.66	26.1	548	1.60	5.76		clear	yes
1442	.20	.80	.10	29.50	5.65	26.1	534	1.40	3.80		clear	yes
1444	.20	1.0	.10	29.50	5.65	26.1	531	1.36	3.39		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fino / TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1431	SAMPLING ENDED AT: 1453
PUMP OR TUBING DEPTH IN WELL (feet): 31.92	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
See COC									

REMARKS:
Clients wells used dedicated pump & Tubing 1ldg 5/14

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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
~~DEP-SOP-001/01~~
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SFIF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 40		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 121.90	PURGE PUMP TYPE OR BAILER: DP

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)
= (165.90 feet – 121.90 (44.0) feet) X .16 gallons/foot = 7.04 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): 164.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 164.90	PURGING INITIATED AT: 1245	PURGING ENDED AT:	TOTAL VOLUME PURGED (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
1253	8.0	8.0	1.0	122.29	6.46	23.5	353	.50	0.52		clear	no
1255	2.0	10.0	1.0	122.29	6.47	23.5	349	.48	1.02		Clear	no
1257	2.0	12.0	1.0	122.29	6.49	23.5	346	.47	.82		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: Jason Fore / TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1255	SAMPLING ENDED AT: 1310
PUMP OR TUBING DEPTH IN WELL (feet): 164.90	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See COC					

REMARKS:
Client uses Dedicated Pump + Tubing
7804 Cloudy

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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634

~~DEP-SOP-001/01~~

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: nl

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SEIF		SITE LOCATION: Dalm	
WELL NO:	SAMPLE ID: TA 36 A		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 35.24	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)
= (38.70 feet − 35.24 (3.46) feet) X .16 gallons/foot = .55 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): 37.70	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.70	PURGING INITIATED AT: 1506	PURGING ENDED AT: 1522	TOTAL VOLUME PURGED (gallons): 1.60

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
1512	.60	.60	.10	35.24	5.53	25.5	223	3.30	11.5		Clear	yes
1514	.20	.80	.10	35.24	5.49	25.5	227	2.74	10.1		Clear	yes
1516	.20	1.0	.10	35.24	5.48	25.5	230	1.87	9.81		clear	yes
1518	.20	1.20	.10	35.24	5.45	25.5	232	1.63	9.46		clear	yes
1520	.20	1.40	.10	35.24	5.45	25.5	234	1.60	8.78		clear	yes
1522	.20	1.60	.10	35.24	5.44	25.5	234	1.57	8.86		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Ford TA Tampa	SAMPLER(S) SIGNATURE(S): Jason F	SAMPLING INITIATED AT: 1505	SAMPLING ENDED AT: 1533
PUMP OR TUBING DEPTH IN WELL (feet): 37.70	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
See COC									

(SAMPLE CONTAINER SPECIFICATION: SAMPLE ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME; SAMPLE PRESERVATION: PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH)

REMARKS:
Olfacts meters used dedicated pump & Tubing 85°F

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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
~~DEP-SOP-001/01~~
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H10061~~ [initials]

SITE NAME: HCSW / SECF | SITE LOCATION: Balm

WELL NO: | SAMPLE ID: TA 57 | DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 1/2" | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 20.62 | 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)
= (26.83 feet – 20.62 (calc) feet) X .16 gallons/foot = .99 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): 25.83 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.83 | PURGING INITIATED AT: 1318 | PURGING ENDED AT: 1334 | TOTAL VOLUME PURGED (gallons): 1.60

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
1328	1.0	1.0	.10	21.12	4.94	25.9	147	.52	0.27		Clear	yes
1331	.30	1.30	.10	21.12	4.92	25.9	149	.41	0.43		Clear	yes
1334	.30	1.60	.10	21.12	4.92	26.0	152	.34	0.32		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Constantine / TA Tampa | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1315 | SAMPLING ENDED AT: 1342

PUMP OR TUBING DEPTH IN WELL (feet): 25.83 | TUBING MATERIAL CODE: | FIELD-FILTERED: Y (N) | FILTER SIZE: ____ µm
Filtration Equipment Type:

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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See COC					

REMARKS: plants nearby, dedicated pump tubing, diesel pump across street 85° cloudy

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)

610-47671

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: AJC REP. OF SOLID WASTE DEPT. 5-14-12 | 9:25

LOCATION: **TH-67 WACS# 20532** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A. Balloon ☑ JF ☐ _____

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 15.25 Ft.
DEPTH TO WATER: 7.45 Ft.
LENGTH OF WATER COL: 7.8 Ft.
VOLUME TO PURGE: 1.2 Gal.

	DATE	TIME
PURGE STARTED:	5-15-12	10:48
PURGE RATE:	.10 GPM.	
PURGE ENDED:	5-15-12	11:05
ACT. VOL. PURGED:	1.7 ~~3.7~~ GAL.	
Draw Down:	12.49	

1.7
~~3.7~~

FIELD PARAMETERS:

	BY	TIME	TEMP	COND	PH	DO	TURB
B	JF	11:01	24.4	565	6.28	.89	3.34
D	JF	11:05	24.4	569	6.25	.72	V
B	JF	11:09	24.4	570	6.25	.63	~~3~~ 2.40

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-15-12 | 11:09

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: AJC / JF REP. OF SOLID WASTE DEPT. 5-15-12 | 2:15
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-15-12 | 2:15

COMMENT'S: WO#00060 rel JFine 1515 5/15/12
Received Chad McNulty 5/15/12 1515

3.7. 4.7 c 4107

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. 5-14-12 9:25

LOCATION: TH-61A WACS# 22595 SAMPLE MATRIX: WATER OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A.Balloon ☑ JP ☐

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: ~~20.00~~ 24.00 Ft.
DEPTH TO WATER: 20.25 Ft.
LENGTH OF WATER COL: 3.75 Ft.
VOLUME TO PURGE: .6 Gal.

PURGE STARTED: DATE | TIME 5-15-12 12:47
PURGE RATE: .10 GPM.
PURGE ENDED: DATE | TIME 5-15-12 12:58
ACT. VOL. PURGED: 1.1 GAL.
Draw Down: 20.85 11

FIELD PARAMETERS:

	BY	TIME	TEMP	COND	PH	DO	TURB
	JF	12:54	25.7	185	5.69	1.93	4.71 =
A2	JF	12:56	25.8	185	5.68	1.89	3.28
A3	JF	12:58	25.8	185	5.68	1.87	3.47

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED DATE | TIME 5-15-12 12:58

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. 5-15-12 2:15
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-15-12 3:15

COMMENT`S: WO# 0060 rel TFred 1515 5/15/12
Received Carl McNulty 5/15/12 1515

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: A3...	REP. OF SOLID WASTE DEPT.	5-14-12 9:25

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
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED

DATE \| TIME

5-15-12

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

		DATE | TIME
ABOVE LISTED SAMPLES: RELINQUISHED BY: Abe...	REP. OF SOLID WASTE DEPT.	5-15-12 2:15
ACCEPTED BY: [signature]	REP. OF CONTRACT LAB.	5-15-12 2:15

COMMENT`S: WO#0060 rel T Fine 1505 5/15/12
Received Carol McNulty 5/15/12 1515

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. 5-14-12 | 9:25

LOCATION: TH-19 WACS# 821 SAMPLE MATRIX: WATER OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 153.60 Ft.
DEPTH TO WATER: 126.00 Ft.
LENGTH OF WATER COL: 30.60 Ft.
VOLUME TO PURGE: 4.8 Gal.

PURGE STARTED: DATE | TIME 5-15-12 | 1:40
PURGE RATE: .50 ~~.40~~ GPM.
PURGE ENDED: DATE | TIME 5-15-12 | 1:58
ACT. VOL. PURGED: 9 GAL.
Draw Down: 126.10

18

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	1:52	23.6	326	6.52	1.69	.24
AB JF	1:55	23.6	326	6.51	1.56	.60
AB JR	1:58	23.6	327	6.52	1.44	.26

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

12 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
5-15-12 | 1:58

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. 5-15-12 2:15
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-15-12 2:15

COMMENT'S: WO#0060 rel [signature] 1515 5/15/12
Received [signature] 5/15/12 1515

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: Ace REP. OF SOLID WASTE DEPT. 5-14-12 9:25

LOCATION: **TH-22A WACS# 19861** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 27.90 Ft.
DEPTH TO WATER: 8.28 Ft.
LENGTH OF WATER COL: 19.62 Ft.
VOLUME TO PURGE: 3.1 Gal.

	DATE	TIME
PURGE STARTED:	5-15-12	10:00
PURGE RATE:	.25	GPM.
PURGE ENDED:	5-15-12	10:21
ACT. VOL. PURGED:	5.25 4.7	GAL.
Draw Down:	10.40	

21

FIELD PARAMETERS:

	BY	TIME	TEMP	COND	PH	DO	TURB
A	JF	10:13	22.5	227	4.38	1.34	2.86 =
B	JF	10:17	22.5	227	4.38	1.02	2.03
B	JF	10:21	22.5	227	4.35	.77	1.93

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED DATE | TIME: 5-15-12 | 10:21

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: _____ REP. OF SOLID WASTE DEPT. DATE | TIME: 5-15-12 2:15
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-15-12 2:15

COMMENTS: WO#00660 w/ TFine 1515 5/15/12
Received Carl McNulty 5/15/12 1515

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. 5-14-12 9:25

LOCATION: **TH-66A WACS# 22961** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 15.37 Ft.
DEPTH TO WATER: 12.18 Ft.
LENGTH OF WATER COL: 3.27 Ft.
VOLUME TO PURGE: .5 Gal.

	DATE	TIME
PURGE STARTED:	5-15-12	11:35
PURGE RATE:	.10 GPM.	
PURGE ENDED:	5-15-12	11:43
ACT. VOL. PURGED:	.8 GAL.	
Draw Down:	11.99	

8

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	TURB DO	TURB
JF	11:39	25.6	325	6.03	2.29	1.63
JF	11:41	25.6	324	6.02	1.82	1.60
JF	11:43	25.7	324	6.01	1.94	1.52

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-15-12 | 11:43

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. DATE | TIME 5-15-12 2:15
ACCEPTED BY: JF REP. OF CONTRACT LAB. 5-15-12 2:15

COMMENTS: WO#0060 rel JF 1515 5/15/12
Received Carol McNulty 5/15/12 1515

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. 5-14-12 9:25

LOCATION: **TH-65 WACS# 20530** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 23.00 Ft.
DEPTH TO WATER: 16.64 Ft.
LENGTH OF WATER COL: 6.36 Ft.
VOLUME TO PURGE: 1.0 Gal.

	DATE	TIME
PURGE STARTED:	5-15-12	12:11
PURGE RATE:	.10	GPM.
PURGE ENDED:	5-15-12	12:28
ACT. VOL. PURGED:	1.7	GAL.
Draw Down:	18.50	

17

FIELD PARAMETERS:

BY		TIME	TEMP	COND	PH	DO	TURB
AB	JF	12:22	24.1	242	4.96	.32	3.70 =
AB	JF	12:25	24.1	242	4.95	.28	3.18
AB	JF	12:28	24.1	242	4.96	.26	2.87

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-15-12 | 12:28

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. DATE | TIME 5-15-12 2:15
ACCEPTED BY: JF REP. OF CONTRACT LAB. 5-15-12 2:15

COMMENT`S: WO# 00060 rel JF rec 1515 5/15/12
Received Carol McNulty 5/15/12 1515

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: *[signature]* REP. OF SOLID WASTE DEPT 5-14-12 | 9:25

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
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
1	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

12 TOTAL No. OF SAMPLES COLLECTED:

COLLECTED
DATE | TIME
5-15-12 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: *[signature]* REP. OF SOLID WASTE DEPT. 5-15-12 | 2:15

ACCEPTED BY: *[signature]* REP. OF CONTRACT LAB. 5-15-12 | 2:15

COMMENT`S: WO#0060 rel TTove 1515 5/15/12

Received Carol McNulty 5/15/12 1515

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: [signature] REP. OF SOLID WASTE DEPT. 5-11-12 9:25

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

PERSONAL ENGAGED IN SAMPLE COLLECTION: ☒ A. Balloon ☒ JE ☐ _____

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE	TIME
2	VOC	1:1 HCL	2-40 ml. SEPTUM VIAL	5-15-12	9:43

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: [signature] REP. OF SOLID WASTE DEPT. 5-15-12 | 2:15

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-15-12 | 2:15

COMMENT`S: WO#00060 cc/ JFre 1515 5/15/12

Received Carol McNulty 5/15/12 1515

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: ND

Meters: ~~HACH 04100034250 / YSI 08H100814~~

SITE NAME: HCSW / SELF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH67	DATE: 5/15/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.45	PURGE PUMP TYPE OR BAILER: BP

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 feet - 7.45 (7.80) feet) X .16 gallons/foot = 1.24 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): 14.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.25	PURGING INITIATED AT: 1058	PURGING ENDED AT: 1109	TOTAL VOLUME PURGED (gallons): 2.30

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
1101	1.30	1.30	.10	11.75	6.28	24.4	565	.89	3.34		clear	no
1105	.40	1.90	.10	12.30	6.25	24.4	569	.72	3.86		clear	no
1109	.40	2.30	.10	12.49	6.25	24.3	570	.63	2.40		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: Jason Fox TAT Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1042	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 14.25	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: Clients notes use 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 = 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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NR

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: Hesw/ SELF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TA CO1A	DATE: 5/15/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.25	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)
= (24.0 feet − 20.25 (3.75) feet) X .16 gallons/foot = .60 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): 23.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.0	PURGING INITIATED AT: 1247	PURGING ENDED AT: 1258	TOTAL VOLUME PURGED (gallons): 1.10

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
1254	.70	.70	.10	20.85	5.69	25.7	185	1.93	4.71		Clear	yes
1256	.20	.90	.10	20.85	5.68	25.8	186	1.89	3.28		Clear	yes
1258	.20	1.10	.10	20.85	6.68	26.8	185	1.87	3.47		Clear	yes
			.10									

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 Furne TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1253	SAMPLING ENDED AT: 1308
PUMP OR TUBING DEPTH IN WELL (feet): 23.0	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See COC					

REMARKS:
clients meters use dedicated Pump & Tubing TD est 24.0 ft 88°F cldy

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)

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:04.17.12:9

Page 40 of 100

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF | SITE LOCATION: Balm

WELL NO: | SAMPLE ID: TH 19 | DATE: 5/15/12

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 1/2" | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 126.0 | 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)
= (153.60 feet − 126.0 (27.60) feet) X .16 gallons/foot = 4.41 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): 152.60 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 152.60 | PURGING INITIATED AT: 1340 | PURGING ENDED AT: 1358 | TOTAL VOLUME PURGED (gallons): 9.0

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
1349	4.50	4.50	.50	126.10	6.61	23.6	325	3.28	0.40		Clear	yes
1352	1.50	6.0	.50	126.10	6.52	23.6	326	1.69	0.24		clear	yes
1355	1.50	7.50	.50	126.10	6.51	23.6	326	1.56	0.60		Clear	yes
1358	1.50	9.0	.50	126.10	6.52	23.6	327	1.44	0.26		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fink TA Tampa | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1337 | SAMPLING ENDED AT: 1411

PUMP OR TUBING DEPTH IN WELL (feet): 152.60 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y N (circled) | FILTER SIZE: ____ µm
Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y N (circled) | TUBING Y N (replaced) (circled) | DUPLICATE: Y (circled) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
See COC									

REMARKS:
Clients meters used dedicated Pump & Tubing Dup of done 88 cldy

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)

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:04.17.12:9

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 22A		DATE: 8/15/13

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.28	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) = (27.90 feet − 8.28 (19.62 feet) X .16 gallons/foot = 3.13 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): 26.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.90	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1021	TOTAL VOLUME PURGED (gallons): 5.25

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
1013	2.25	3.25	.25	10.40	4.38	22.5	227	1.34	2.86		clear	yes
1017	1.0	4.25	.25	10.40	4.38	22.5	227	1.02	2.03		clear	yes
1021	1.0	5.25	.25	10.40	4.35	22.5	227	.77	1.93		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fink TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0942	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet): 26.90	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N; Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
See COC									

REMARKS: All units meters used dedicated pump & Tubing   EQ Blk 0955 770 cldy

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)

Page 36 of 100

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:04.17.12:9

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSWJ SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH CeCe A		DATE: 5/15/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.10	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 – 12.10 (3.27) feet) X .16 gallons/foot = .52 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: 1133	PURGING ENDED AT: 1143	TOTAL VOLUME PURGED (gallons): 1.0

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
1139	.60	.60	.10	11.99	6.03	26.6	325	1.63	2.29		clear	no
1141	.20	.80	.10	11.99	6.02	26.6	324	1.60	1.82		Clear	no
1143	.20	1.0	.10	11.99	6.01	25.7	324	1.52	1.94		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: Jason Fine TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1123	SAMPLING ENDED AT: 1137
PUMP OR TUBING DEPTH IN WELL (feet): 14.37	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N (circled) Filtration Equipment Type:	FILTER SIZE: ____ μm
FIELD DECONTAMINATION: PUMP Y N (circled)	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
			See COC						

REMARKS:
plants need uses dedicated pump & tubing 83°F Cldy

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)

Page 38 of 100

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:04.17.12:9

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: [illegible]

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HESW / SECF | SITE LOCATION: Balm
WELL NO: | SAMPLE ID: TA C05 | DATE: 5/15/12

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 1/2" | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 16.64 | 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 – 16.64 (6.36) feet) X .16 gallons/foot = 1.01 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: 1211 | PURGING ENDED AT: 1228 | TOTAL VOLUME PURGED (gallons): 1.70

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
1222	1.10	1.10	.10	18.50	4.96	24.1	242	.32	3.20		clear	no
1225	.30	1.40	.10	18.50	4.95	24.1	242	.28	3.18		clear	no
1228	.30	~~1.90~~ 1.70	.10	18.50	4.94	24.1	242	.26	2.87		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: Jason [illegible] TA Tampa | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1208 | SAMPLING ENDED AT: 1235

PUMP OR TUBING DEPTH IN WELL (feet): 22.0 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) | FILTER SIZE: ____ µm
Filtration Equipment Type:

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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
See COC									

REMARKS:
Clients meters used dedicated Pump & Tubing
86% c/o

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)

Page 39 of 100

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:04.17.12:9

660-47707

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: ABa REP. OF SOLID WASTE DEPT. 5-14-12 | 9:25

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: 27.10 Ft.

LENGTH OF WATER COL: 7.9 Ft.

VOLUME TO PURGE: 1.2 Gal.

PURGE STARTED (DATE | TIME): 5-16-12 | 11:23

PURGE RATE: .20 GPM.

PURGE ENDED (DATE | TIME): 5-16-12 | 11:36

ACT. VOL. PURGED: 2.6 GAL.

Draw Down: 28.15

FIELD PARAMETERS: 13

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	11:32	24.3	639	5.84	1.30	49.3
AB JF	11:34	24.3	640	5.82	1.10	48.6
AB JF	11:36	24.3	640	5.81	.99	49.2

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
2	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	

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

COLLECTED DATE | TIME
5-16-12 | 11:36

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: ABa REP. OF SOLID WASTE DEPT. 5-16-12 | 12:30

ACCEPTED BY: KFine REP. OF CONTRACT LAB. 5-16-12 | 12:30

COMMENT`S: W0#00060 rel TFine 5/16/12 1420

Eric Edwards 5/16/12 .8c CU-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. 5-14-12 | 9:25

LOCATION: **TH-71A WACS# 22960** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ **A.Balloon** ☑ JF ☐

WELL DIAMETER: **2.0** INCH:
TOTAL DEPTH OF WELL: **37.78** Ft.
DEPTH TO WATER: 28.05 Ft.
LENGTH OF WATER COL: 9.73 Ft.
VOLUME TO PURGE: 1.5 Gal.

PURGE STARTED: DATE | TIME 5-16-12 10:51
PURGE RATE: .20 GPM.
PURGE ENDED: DATE | TIME 5-16-12 11:03
ACT. VOL. PURGED: 2.4 GAL.
Draw Down: 30.52

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	10:59	23.5	735	5.82	.41	13.7
AB JF	11:01	23.5	734	5.83	.43	11.3
AB JF	11:03	23.5	734	5.84	.39	9.43

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-16-12 11:03

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. 5-16-12 | 12:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-16-12 | 12:30

COMMENT`S: WO # 0060 rel I Free 5/16/12 1420
Christian Edwards 5/16/12 1420

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. 5-14-12 9:25

LOCATION: **TH-70A WACS# 22959** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 36.58 Ft.
DEPTH TO WATER: 28.70 Ft.
LENGTH OF WATER COL: 7.88 Ft.
VOLUME TO PURGE: 1.2 Gal.

	DATE	TIME
PURGE STARTED:	5-16-12	11:56
PURGE RATE:	.20 GPM.	
PURGE ENDED:	5-16-12	12:07
ACT. VOL. PURGED:	2.2 GAL.	
Draw Down:	29.35	

11

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	12:03	24.3	419	6.23	.64	75.3
JF	12:05	24.3	418	6.21	.59	75.8
JF	12:07	24.3	418	6.20	.62	79.4

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	~	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	

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

COLLECTED
DATE | TIME
5-16-12 12:07

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. 5-16-12 12:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-16-12 12:30

COMMENT`S: WO# 0060 rel [signature] 5/16/12 1420
[signature] 5/16/12 1420

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. 5-24-12 9:25

LOCATION: TH-64 WACS# 20494 SAMPLE MATRIX: WATER OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:

TOTAL DEPTH OF WELL: 23.00 Ft.

DEPTH TO WATER: 20.21 Ft.

LENGTH OF WATER COL: 2.79 Ft.

VOLUME TO PURGE: .4 Gal.

PURGE STARTED: (DATE | TIME) 5-16-12 10:15

PURGE RATE: .10 GPM.

PURGE ENDED: (DATE | TIME) 5-16-12 10:26

ACT. VOL. PURGED: 1.1 GAL.

Draw Down: 20.35

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	10:22	24.9	256	4.75	.86	6.56
AB JF	10:24	25.0	255	4.74	.71	5.49
AB JF	10:26	25.0	255	4.73	.61	5.10

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED DATE | TIME 5-16-12 10:26

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. 5-16-12 12:30

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-16-12 12:30

COMMENT'S: WO #0060 [signature] 1420 [signature] 5/16/12 1420

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: [signature] REP. OF SOLID WASTE DEPT. 5-16-12 | 9:25

LOCATION: **BLANK, EQUIPMENT** 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
6	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	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	

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

COLLECTED
DATE | TIME
5-16-12 9:55

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: [signature] REP. OF SOLID WASTE DEPT. 5-16-12 12:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-16-12 12:30

COMMENT`S: WO#00060 [signature] 5/16/12 1420
[signature] 5/16/12 1420

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 9:25

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	5-16-12 9:52

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

ANALYSIS REQUESTED:

EPA 8260

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

			DATE | TIME
ABOVE LISTED SAMPLES: RELINQUISHED BY:	[signature]	REP. OF SOLID WASTE DEPT.	5-16-12 12:30
ACCEPTED BY:	[signature]	REP. OF CONTRACT LAB.	5-16-12 12:30

COMMENT`S: W9 tt0060 rel [signature] 5/16/12 1420

[signature] 5/16/12 1420

GROUNDWATER SAMPLING LOG SET A

COC#: 10

Meters: ~~HACH 04100034250 / YSI 08I100611~~

SITE NAME: HCSW / SELF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH C4	DATE: 5/16/12

PURGING DATA

WELL DIAMETER (Inches): 2"	TUBING DIAMETER (Inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.24	PURGE PUMP TYPE OR BAILER: BP

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)
= (23.0 feet - 20.24 / 2.79 feet) X .16 gallons/foot = .44 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: 1015	PURGING ENDED AT: 1026	TOTAL VOLUME PURGED (gallons): 1.10

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
1020	.50	.50	.10	20.35	4.77	24.9	256	2.10	7.18		clear	ND
1022	.20	.70	.10	20.35	4.75	24.9	256	.86	6.56		clear	ND
1024	.20	.90	.10	20.35	4.74	25.0	255	.71	5.49		clear	ND
1026	.20	1.10	.10	20.35	4.73	25.0	256	.61	5.10		clear	~~ND~~ 4.28

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; 6" = 1.02; 8" = 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: [illegible] TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1029	SAMPLING ENDED AT: 1033
PUMP OR TUBING DEPTH IN WELL (feet): 22.0	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N)(replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				See COC					

REMARKS:
Clints meters used dedicated pump + Tubing Clay Rain 0955 Eq Blank

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)

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 04100034256~~ / YSI 08H100611

SITE NAME: HCSO / SELF	SITE LOCATION: Balm		
WELL NO:	SAMPLE ID: TH 71A	DATE: 5/16/12	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.05	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)
= (37.78 feet – 28.05 (9.73) feet) X .14 gallons/foot = 1.55 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): 36.78	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78	PURGING INITIATED AT: 1051	PURGING ENDED AT: 1103	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (uS/cm)	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1059	1.60	1.60	.20	30.52	5.82	23.5	733	.91	13.7		clear	yes
1101	.40	2.0	.20	30.52	5.83	23.5	734	.43	11.3		clear	yes
1103	.40	2.40	.20	30.52	5.84	23.5	734	.39	9.03		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Smith / ATamp	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1050	SAMPLING ENDED AT: 1111
PUMP OR TUBING DEPTH IN WELL (feet): 36.78	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See COC					

REMARKS:
Clients building used dedicated pump + Tubing Rainy 75°F

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)

GROUNDWATER SAMPLING LOG SET A

COC#: NR

Meters: ~~HACH 04100034256 / YSI 08H100611~~ IR

SITE NAME: HCSW / SELF	SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 69A	DATE: 5/16/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 27.10	PURGE PUMP TYPE OR BAILER: BP

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) = (36.0 feet - 27.10 (7.90) feet) X .16 gallons/foot = 1.26 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): 34.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34.0	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1134	TOTAL VOLUME PURGED (gallons): 2.60

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
1130	1.40	1.40	.20	28.15	5.85	24.3	0.33	1.30	34.7		cloudy	yes
1132	.40	1.80	.20	28.15	5.84	24.3	0.39	1.30	49.3		cloudy	yes
1134	.40	2.20	.20	28.15	5.82	24.3	0.40	1.10	48.6		cloudy	yes
1134	.40	2.60	.20	28.15	5.81	24.3	0.40	.99	49.2		Cloudy	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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Funk TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Funk	SAMPLING INITIATED AT: 1120	SAMPLING ENDED AT: 1146
PUMP OR TUBING DEPTH IN WELL (feet): 34.0	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS:
Client's meters used dedicated Pump + Tubing Rainy 78°F

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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 041000034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 70A		DATE: 5/16/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.70	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)
= (36.58 feet – 28.70 (7.88) feet) X .16 gallons/foot = 1.26 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): 35.58	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35.58	PURGING INITIATED AT: 1156	PURGING ENDED AT: 1207	TOTAL VOLUME PURGED (gallons): 2.20

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
1203	1.40	1.40	.20	29.35	6.23	24.7	419	.64	75.3		H orange	yes
1205	.40	1.80	.20	29.35	6.21	24.7	418	.59	75.8		H orange	yes
1207	.40	2.20	.20	29.35	6.20	24.7	418	.62	79.4		H orange	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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Sanford / TA Tampa	SAMPLER(S) SIGNATURE(S): J. Sanford	SAMPLING INITIATED AT: 1158	SAMPLING ENDED AT: 1218
PUMP OR TUBING DEPTH IN WELL (feet): 35.58	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
			SEE COC						

REMARKS:
Clear to turbid, 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 = 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)

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)	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-45094.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 660-47642-1
Address: 2846 Industrial Plaza Drive,	Due Date Requested: 5/24/2012			
City: Tallahassee	TAT Requested (days):			
State, Zip: FL, 32301				
Phone: 850-878-3994(Tel) 850-878-9504(Fax)	PO #:			
Email:	WO #:			
Project Name: Southeast Landfill	Project #: 66003915			
Site: Southeast Landfill	SSOW#:			

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	5310C/ TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BLANK EQUIPMENT (660-47642-1)	5/14/12	09:30 Eastern		Water			X	5	
WEEKS (660-47642-2)	5/14/12	10:04 Eastern		Water			X	5	
KEEN JR (660-47642-3)	5/14/12	12:09 Eastern		Water			X	5	
HOLLAND (660-47642-4)	5/14/12	10:49 Eastern		Water			X	5	
BARNES (660-47642-5)	5/14/12	Eastern		Water			X	5	

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: Christina Edwards	Date/Time: 5/16/12 1633	Company: TA Tampa	Received by: TM	Date/Time: 5/17/12 850	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.50

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)	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-45095.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 660-47642-1

Address: 5102 LaRoche Avenue,	Due Date Requested: 5/23/2012
City: Savannah	TAT Requested (days):
State, Zip: GA, 31404	
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:
Email:	WO #:
Project Name: Southeast Landfill	Project #: 66003915
Site: Southeast Landfill	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/3005A Appendix 1 + metals	7470A/7470A_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
BLANK EQUIPMENT (660-47642-1)	5/14/12	09:30 Eastern		Water			X	X		
WEEKS (660-47642-2)	5/14/12	10:04 Eastern		Water			X	X		
KEEN JR (660-47642-3)	5/14/12	12:09 Eastern		Water			X	X		
HOLLAND (660-47642-4)	5/14/12	10:49 Eastern		Water			X	X		
BARNES (660-47642-5)	5/14/12	Eastern		Water			X	X		
TH-28A (660-47642-6)	5/14/12	13:34 Eastern		Water			X	X		
TH-58 (660-47642-7)	5/14/12	14:44 Eastern		Water			X	X		
TH-40 (660-47642-8)	5/14/12	Eastern		Water			X	X		
TH-36A (660-47642-9)	5/14/12	15:22 Eastern		Water			X	X		
TH-57 (660-47642-10)	5/14/12	13:38 Eastern		Water			X	X		

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:	Date/Time: 5/15/12 1720	Company	Received by:	Date/Time: 05-16-12	Company 0928
6/	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
2012	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.8

Page 173 of 182

TestAmerica Tampa
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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 PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-45133.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 660-47671-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 5/24/2012			Preservation Codes:
City: Savannah	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Southeast Landfill	Project #: 66003915			
Site: Southeast Landfill	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020A/3005A Appendix 1 + metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TH-67 (660-47671-1)	5/15/12	11:09 Eastern		Water			X	X	1	
TH-61A (660-47671-2)	5/15/12	12:58 Eastern		Water			X	X	1	
DUPLICATE NOT BLANK (660-47671-3)	5/15/12	Eastern		Water			X	X	1	
TH-19 (660-47671-4)	5/15/12	13:58 Eastern		Water			X	X	1	
TH-22A (660-47671-5)	5/15/12	10:21 Eastern		Water			X	X	1	
TH-66A (660-47671-6)	5/15/12	11:43 Eastern		Water			X	X	1	
TH-65 (660-47671-7)	5/15/12	12:28 Eastern		Water			X	X	1	
BLANK EQUIPMENT (660-47671-8)	5/15/12	09:45 Eastern		Water			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature] Kell	5-16-12 1440	TA TPA	[signature]	05-17-12	TPA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.2 1.4 2.5

Page 174 of 182

6/6/2012

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)	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-45170.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 660-47707-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 5/25/2012			Preservation Codes:
City: Savannah	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Southeast Landfill	Project #: 66003915			
Site: Southeast Landfill	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/7470A_Prep Mercury	6020A/3005A Appendix 1 + metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TH-69A (660-47707-1)	5/16/12	11:36 Eastern		Water			X	X	1	
TH-71A (660-47707-2)	5/16/12	11:03 Eastern		Water			X	X	1	
TH-70A (660-47707-3)	5/16/12	12:07 Eastern		Water			X	X	1	
TH-64 (660-47707-4)	5/16/12	10:26 Eastern		Water			X	X	1	
BLANK EQUIPMENT (660-47707-5)	5/16/12	09:55 Eastern		Water			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Erika Edwards	5/16/12 1043	TA Tampa		05-17-12	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47642
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.7, 3.5, 0.9, 4.0 deg C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47642
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 05/16/12 03:31 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 660-47642-1

Login Number: 47642
List Number: 1
Creator: Mitchell, Travis X

List Source: TestAmerica Tallahassee
List Creation: 05/17/12 01:56 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47671
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.7, 4.7 deg c Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47671
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 05/17/12 03:40 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47707
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	0.8 deg C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

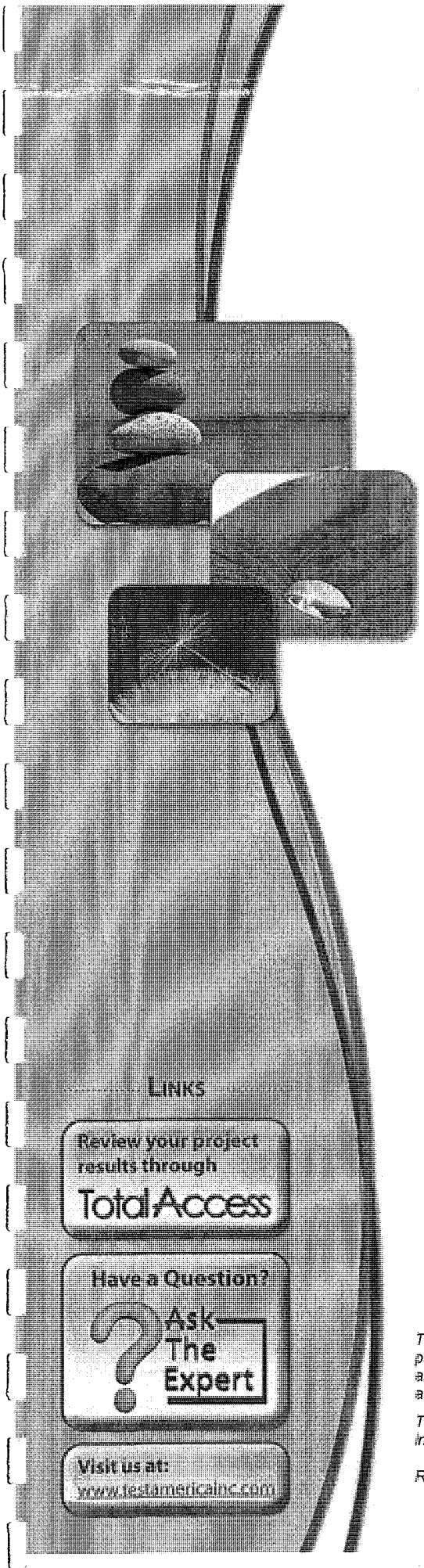
Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-1

Login Number: 47707
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 05/17/12 02:41 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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: 660-47642-2
Client Project/Site: Southeast Landfill

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

Attn: David Adams

Authorized for release by:
6/6/2012 8:42:07 AM

Nancy Robertson
Project Manager II
nancy.robertson@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.

Table of Contents

Glossary

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

Detection Summary

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: BLANK EQUIPMENT 47642 — Lab Sample ID: 660-47642-1

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncertainty (σ+/-)		Unit	Dil Fac	Method	Prep Type
Gross Alpha	1.0+-0.6					pCi/L	1	900.0	Total/NA
Radium-226	0.2+-0.3					pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.6					pCi/L	1	Ra-05	Total/NA

Client Sample ID: WEEKS — Lab Sample ID: 660-47642-2

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncertainty (σ+/-)		Unit	Dil Fac	Method	Prep Type
Gross Alpha	14.6+-2.1					pCi/L	1	900.0	Total/NA
Radium-226	11.5+-1.5					pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.7					pCi/L	1	Ra-05	Total/NA

Client Sample ID: KEEN JR — Lab Sample ID: 660-47642-3

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncertainty (σ+/-)		Unit	Dil Fac	Method	Prep Type
Gross Alpha	3.3+-1.1					pCi/L	1	900.0	Total/NA
Radium-226	3.0+-0.8					pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.7					pCi/L	1	Ra-05	Total/NA

Client Sample ID: HOLLAND — Lab Sample ID: 660-47642-4

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncertainty (σ+/-)		Unit	Dil Fac	Method	Prep Type
Gross Alpha	4.5+-1.2					pCi/L	1	900.0	Total/NA
Radium-226	1.9+-0.7					pCi/L	1	903.0	Total/NA
Radium-228	0.1+-0.7					pCi/L	1	Ra-05	Total/NA

Client Sample ID: BARNES — Lab Sample ID: 660-47642-5

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncertainty (σ+/-)		Unit	Dil Fac	Method	Prep Type
Gross Alpha	5.4+-1.3					pCi/L	1	900.0	Total/NA
Radium-226	3.9+-1.0					pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.7					pCi/L	1	Ra-05	Total/NA

Client Sample Results

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: BLANK EQUIPMENT 47642
Date Collected: 05/14/12 09:30
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-1
Matrix: Ground Water

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	1.0+-0.6					pCi/L		05/25/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)		Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2+-0.3					pCi/L		05/25/12 12:00	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)		Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0+-0.6					pCi/L		05/25/12 11:40	1

Client Sample Results

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: WEEKS
Date Collected: 05/14/12 10:04
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-2
Matrix: Ground Water

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	14.6+-2.1					pCi/L		05/25/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)		Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.5+-1.5					pCi/L		05/25/12 12:00	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		05/25/12 11:40	1

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: KEEN JR
Date Collected: 05/14/12 12:09
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-3
Matrix: Ground Water

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	3.3+-1.1					pCi/L		05/25/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)		Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.0+-0.8					pCi/L		05/25/12 12:00	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		05/25/12 11:40	1

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: HOLLAND
Date Collected: 05/14/12 10:49
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-4
Matrix: Ground Water

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	4.5+-1.2					pCi/L		05/25/12 08:00	1

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		05/25/12 12:00	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		05/25/12 11:40	1

Client Sample Results

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: BARNES
Date Collected: 05/14/12 11:34
Date Received: 05/14/12 16:35

Lab Sample ID: 660-47642-5
Matrix: Ground Water

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	5.4+-1.3					pCi/L		05/25/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (σ+/-)	Total Uncert. (σ+/-)		Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.9+-1.0					pCi/L		05/26/12 13:25	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		05/25/12 11:40	1

QC Association Summary

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

TestAmerica Job ID: 660-47642-2

Rad

Analysis Batch: 124999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	900.0	
660-47642-2	WEEKS	Total/NA	Ground Water	900.0	
660-47642-3	KEEN JR	Total/NA	Ground Water	900.0	
660-47642-4	HOLLAND	Total/NA	Ground Water	900.0	
660-47642-5	BARNES	Total/NA	Ground Water	900.0	

Analysis Batch: 125000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	903.0	
660-47642-2	WEEKS	Total/NA	Ground Water	903.0	
660-47642-3	KEEN JR	Total/NA	Ground Water	903.0	
660-47642-4	HOLLAND	Total/NA	Ground Water	903.0	
660-47642-5	BARNES	Total/NA	Ground Water	903.0	

Analysis Batch: 125024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-47642-1	BLANK EQUIPMENT 47642	Total/NA	Ground Water	Ra-05	
660-47642-2	WEEKS	Total/NA	Ground Water	Ra-05	
660-47642-3	KEEN JR	Total/NA	Ground Water	Ra-05	
660-47642-4	HOLLAND	Total/NA	Ground Water	Ra-05	
660-47642-5	BARNES	Total/NA	Ground Water	Ra-05	

Lab Chronicle

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

TestAmerica Job ID: 660-47642-2

Client Sample ID: BLANK EQUIPMENT 47642

Lab Sample ID: 660-47642-1

Date Collected: 05/14/12 09:30
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	124999	05/25/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	125000	05/25/12 12:00	SUB	SC0009
Total/NA	Analysis	Ra-05		1	125024	05/25/12 11:40	SUB	SC0009

Client Sample ID: WEEKS

Lab Sample ID: 660-47642-2

Date Collected: 05/14/12 10:04
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	124999	05/25/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	125000	05/25/12 12:00	SUB	SC0009
Total/NA	Analysis	Ra-05		1	125024	05/25/12 11:40	SUB	SC0009

Client Sample ID: KEEN JR

Lab Sample ID: 660-47642-3

Date Collected: 05/14/12 12:09
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	124999	05/25/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	125000	05/25/12 12:00	SUB	SC0009
Total/NA	Analysis	Ra-05		1	125024	05/25/12 11:40	SUB	SC0009

Client Sample ID: HOLLAND

Lab Sample ID: 660-47642-4

Date Collected: 05/14/12 10:49
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	124999	05/25/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	125000	05/25/12 12:00	SUB	SC0009
Total/NA	Analysis	Ra-05		1	125024	05/25/12 11:40	SUB	SC0009

Client Sample ID: BARNES

Lab Sample ID: 660-47642-5

Date Collected: 05/14/12 11:34
Matrix: Ground Water
Date Received: 05/14/12 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	124999	05/25/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	125000	05/26/12 13:25	SUB	SC0009
Total/NA	Analysis	Ra-05		1	125024	05/25/12 11:40	SUB	SC0009

Laboratory References:

SC0009 = KNL, Tampa, Vendor, 2742 North Florida Avenue, Tampa, FL 33601, TEL (813)229-2879

Certification Summary

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

TestAmerica Job ID: 660-47642-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	Federal		P330-11-00177

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

Method Summary

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

TestAmerica Job ID: 660-47642-2

Method	Method Description	Protocol	Laboratory
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	SC0009
903.0	Radium-226 (GFPC)	EPA	SC0009
Ra-05	Radiochemical Microbiology	EPA	SC0009
904.0	Radiochemical Microbiology	EPA	SC0009

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

SC0009 = KNL, Tampa, Vendor, 2742 North Florida Avenue, Tampa, FL 33601, TEL (813)229-2879

Sample Summary

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

TestAmerica Job ID: 660-47642-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-47642-1	BLANK EQUIPMENT 47642	Ground Water	05/14/12 09:30	05/14/12 16:35
660-47642-2	WEEKS	Ground Water	05/14/12 10:04	05/14/12 16:35
660-47642-3	KEEN JR	Ground Water	05/14/12 12:09	05/14/12 16:35
660-47642-4	HOLLAND	Ground Water	05/14/12 10:49	05/14/12 16:35
660-47642-5	BARNES	Ground Water	05/14/12 11:34	05/14/12 16:35

DOH Certification #E84025
DEP COMPQAP # 870251

KNL LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: May 29, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody:	Client
Client/Field ID:	660-47642-1 Blank Equip.
Sample Collection:	5-14-12/0930
Lab ID No:	12.4290
Lab Custody Date:	5-15-12/1340
Sample description:	Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	1.0 ± 0.6	05-25-12/0800	EPA 900.0	0.8
Combined Radium (Radium-226 + Radium 228)	pCi/l	0.2 ± 0.6	Calc	Calc	1.0
Radium-226	pCi/l	0.2 ± 0.3	05-25-12/1200	EPA 903.0	0.6
Radium-228	pCi/l	0.0 ± 0.6	05-2-12/1140	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

KNL LABORATORY SERVICES
2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: May 29, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody:	Client
Client/Field ID:	660-47642-2 WEEKS
Sample Collection:	5-14-12/1004
Lab ID No:	12.4291
Lab Custody Date:	5-15-12/1340
Sample description:	Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	14.6 ± 2.1	05-25-12/0800	EPA 900.0	1.2
Combined Radium (Radium-226 + Radium 228)	pCi/l	11.5 ± 1.5	Calc	Calc	1.0
Radium-226	pCi/l	11.5 ± 1.5	05-25-12/1200	EPA 903.0	0.6
Radium-228	pCi/l	0.0 ± 0.7	05-25-12/1140	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

KNL LABORATORY SERVICES
2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: May 29, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody:	Client
Client/Field ID:	660-47642-3 KEEN JR
Sample Collection:	5-14-12/1209
Lab ID No:	12.4292
Lab Custody Date:	5-15-12/1340
Sample description:	Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	3.3 ± 1.1	05-25-12/0800	EPA 900.0	1.1
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.0 ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	3.0 ± 0.8	05-25-12/1200	EPA 903.0	0.5
Radium-228	pCi/l	0.0 ± 0.7	05-25-12/1140	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

KNL LABORATORY SERVICES
2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: May 29, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody:	Client
Client/Field ID:	660-47642-4 HOLLAND
Sample Collection:	5-14-12/1049
Lab ID No:	12.4293
Lab Custody Date:	5-15-12/1340
Sample description:	Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	4.5 ± 1.2	05-25-12/0800	EPA 900.0	1.1
Combined Radium (Radium-226 + Radium 228)	pCi/l	2.0 ± 0.7	Calc	Calc	1.0
Radium-226	pCi/l	1.9 ± 0.7	05-25-12/1200	EPA 903.0	0.6
Radium-228	pCi/l	0.1 ± 0.7	05-25-12/1140	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

KNL LABORATORY SERVICES
2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: May 29, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-47642-5 BARNES
Sample Collection: 5-14-12

Lab ID No: 12.4294
Lab Custody Date: 5-15-12/1340
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	5.4 ± 1.3	05-25-12/0800	EPA 900.0	1.1
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.9 ± 1.0	Calc	Calc	1.0
Radium-226	pCi/l	3.9 ± 1.0	05-26-12/1325	EPA 903.0	0.6
Radium-228	pCi/l	0.0 ± 0.7	05-25-12/1140	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

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

6/6/2012

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-45092.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: KNL Laboratory Services				Job #: 660-47642-1
Address: 2742 North Florida Avenue,	Due Date Requested: 5/24/2012			
City: Tampa	TAT Requested (days):			
State, Zip: FL, 33601				
Phone: 813-229-2879(Tel)	PO #:			
Email:	WO #:			
Project Name: Southeast Landfill	Project #: 66003915			
Site: Southeast Landfill	SSOW#:			

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydra, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	904.0/ Radium 228	903.0/ Radium 226	900.0/ Gross Alpha	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
BLANK EQUIPMENT (660-47642-1)	5/14/12	09:30 Eastern		Water			X	X	X		
WEEKS (660-47642-2)	5/14/12	10:04 Eastern		Water			X	X	X		
KEEN JR (660-47642-3)	5/14/12	12:09 Eastern		Water			X	X	X		
HOLLAND (660-47642-4)	5/14/12	10:49 Eastern		Water			X	X	X		
BARNES (660-47642-5)	5/14/12	Eastern		Water			X	X	X		

12.4290-94

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	5-15-12 1340	TAT	[signature]	5-15-12 1348	KNL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

660-47642-

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: _____ REP. OF SOLID WASTE DEPT. 5-14-12 9:25

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

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

FIELD PARAMETERS: N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 | 9:30

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: _____ REP. OF SOLID WASTE DEPT. 5-14-12 3:34
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO# 0060 rel JFine 5/14/12 1635
Rec'd Carl McNulty 5/14/12 1635

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. 5-14-12 | 9:25

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 5-14-12 TIME 9:45

ACTUAL PURGE TIME: ____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	10:00	23.8	560	6.89	1.22	.90
AB JF	10:02	23.8	560	6.89	1.22	.53
AB JF	10:04	23.8	560	6.89	1.21	.63

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED

DATE | TIME

5-14-12 | 10:04

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 | 3:34

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO #0060 w/ R Fire 5/14/12 1635

Rcd Carol McNulty 5/14/12 1635

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. 5-14-12 | 9:25

LOCATION: **Keen Jr. WACS# 28079** SAMPLE MATRIX: **WATER** OTHER MATRIX: _____

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

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 5-14-12 TIME 11:50

ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY		TIME	TEMP	COND	PH	DO	TURB
AB	VH	12:05	25.8	349	7.33	.22	.56
AB	JF	12:07	25.7	348	7.34	.22	.44
AB	JF	12:09	25.7	349	7.33	.22	.41

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME: 5-14-12 | 12:09

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 3:34

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 | 3:34

COMMENT`S: WO# 00680 rel JF 5/14/12 1635

Rec'd Carl McNulty 5/14/12 1635

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. 5-14-12 9:25

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 5-14-12 TIME ______
ACTUAL PURGE TIME: ________ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	10:45	24.2	407	6.98	.24	.39
JF	10:47	24.2	407	6.98	.25	.35
JF	10:49	24.2	407	6.99	.24	.09

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
5-14-12 | 10:49

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: [signature] REP. OF SOLID WASTE DEPT. 5-14-12 3:34
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT'S: WO#0080 rel [signature] 5/14/12 1635
Recd [signature] 5/14/12 1635

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: _____ REP. OF SOLID WASTE DEPT 5-14-12 | 9:25

LOCATION: **BARNES WACS# 881** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 5-14-12 TIME _____

ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JE	11:30	24.8	721	7.24	4.03	.41
JE	11:32	24.8	372	7.25	4.01	.45
JE	11:34	24.7	372	7.24	3.97	.23

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
9	40 ml VIAL		40 ml VIAL	
	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
2	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE	TIME
5-14-12	

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: _____ REP. OF SOLID WASTE DEPT. 5-14-12 3:34
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 5-14-12 3:34

COMMENT`S: WO 54#0060 ml JTJune 5/14/12 1635
Rec'd Carol McNulty 5/14/12 1635

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634

~~DEP-SOP-001/01~~

FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: Weeks		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: private well valve

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 950

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
1000	750	750	5.0	na	6.89	23.8	560	1.22	0.90		clear	no
1002	10.0	860	5.0	na	6.89	23.8	560	1.22	0.53		clear	no
1004	10.0	950	5.0	na	6.89	23.8	560	1.21	0.63		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: J Santini / TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0926	SAMPLING ENDED AT: 1020
PUMP OR TUBING DEPTH IN WELL (feet): na	TUBING MATERIAL CODE: na	FIELD-FILTERED: Y N (N circled) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N (N circled)	TUBING Y N (replaced) (N circled)	DUPLICATE: Y N (N circled)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
			See COC						

REMARKS: Plants meters used / let well purge 15 min before 1st read. For DLR 0930 Cond 750

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)

GROUNDWATER SAMPLING LOG SET A

COC#: NA

Meters: ~~HACH 041000342567 YSI 08H100011~~ NA

SITE NAME: Hcsw/ SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: Ceene	DATE: 8/14/12	

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: Private well

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1209	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1205	760	750	5.0	na	7.33	25.8	349	.22	.56		clear	no
1207	10.0	850	5.0	na	7.34	25.7	348	.22	.46		clear	no
1209	10.0	95.0	5.0	na	7.33	25.7	349	.22	.41		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: Jason Hill TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Hill	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1250
PUMP OR TUBING DEPTH IN WELL (feet): na	TUBING MATERIAL CODE: na	FIELD-FILTERED: Y N Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
		See COC							

REMARKS:
clients meter used. dot well purge 15 min before 1st read 78°F cloudy

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)

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 041000342567 / YSI 08H100614C~~

SITE NAME: HESL / SELF		SITE LOCATION: Bam	
WELL NO:	SAMPLE ID: Holland		DATE: 6/14/12

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: private well

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	PURGING INITIATED AT: 1030	PURGING ENDED AT: 1049	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1045	750	750	5.0	na	6.98	24.2	407	.29	0.39		Clear	yes
1047	10.0	850	5.0	na	6.98	24.2	407	.23	0.35		Clear	yes
1049	10.0	950	5.0	na	6.99	24.2	407	.21	.09		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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Fino TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1058

PUMP OR TUBING DEPTH IN WELL (feet): na | TUBING MATERIAL CODE: na | FIELD-FILTERED: Y (N) | FILTER SIZE: ____ µm
Filtration Equipment Type:

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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See COC					

REMARKS:
drinks meters used / let well purge 15 min before 1st read   Cloudy 75°F

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)

GROUNDWATER SAMPLING LOG SET A

COC#: na

Meters: ~~HACH 04100034250 / YSI 08H100614~~

SITE NAME: ACSW / SELF		SITE LOCATION: Bdm	
WELL NO:	SAMPLE ID: Barnes		DATE: 5/14/12

PURGING DATA

WELL DIAMETER (inches): na	TUBING DIAMETER (inches): na	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): na	PURGE PUMP TYPE OR BAILER: Private well

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)
= (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): na	FINAL PUMP OR TUBING DEPTH IN WELL (feet): na	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) µS/cm	DISSOLVED OXYGEN (circle units) mg/l	TURBIDITY (NTUs)		COLOR describe	ODOR
1130	75.0	75.0	5.0	na	7.24	24.8	371	4.03	0.41		clear	no
1132	10.0	85.0	5.0	na	7.25	24.8	372	4.01	0.45		Clear	no
1134	10.0	95.0	5.0	na	7.24	24.7	372	3.97	0.23		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: Jason Fire / TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Fire	SAMPLING INITIATED AT: 1115	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): na	TUBING MATERIAL CODE: na	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
			See COC						

REMARKS:
clients meter used / let well purge 15 min before 1st read 70°F cldy

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)

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-47642-2

Login Number: 47642

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.7, 3.5, 0.9, 4.0 deg C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	