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April 30, 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 – February 2012

Dear Mr. Morris:

In accordance with the above-referenced permit, the Hillsborough County Public Utilities Department (County) is pleased to provide the February 2012 Analytical Data Report (ADR) for the water quality monitoring event conducted at the Southeast County Landfill (SCLF). Samples were collected on February 20-22, 2012 by the County's Field Sampling Team and analyzed by our contracted laboratory, Test America, Inc.

This ADR provides a general discussion of the parameter specific water quality observations across the site, 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 4.22 to 6.36 pH units. The pH values have historically been observed below the acceptable range, and recent data is consistent with the extensive historical data for the site. No unusual conditions or changes in pH values within any of the detection or background monitoring wells or surface water sites were observed during this sampling event.

Turbidity

Turbidity values in the groundwater at the site remain consistent with historical data. The values observed in the surficial aquifer ranged from 0.5 to 86 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 iron bacteria slime. Prior to the February 2012 sampling event, the pump was pulled and thoroughly cleaned, the well screen and casing were scrubbed with a bottle brush attached to ½-inch PVC, potable water was used to flush the well, and the well was extensively purged and redeveloped utilizing an electric typhoon pump until the discharge appeared clean and clear. The results from these efforts were observed to effectively reduce the turbidity and allow a representative sample to be collected. A turbidity value of 14.7 NTU was recorded during this sampling event. It is believed that the fill material utilized for construction in the down gradient areas of Section 9 is driving the iron bacteria, and this problem will likely persist for the foreseeable future. The County plans on performing pump cleaning and well redevelopment work prior to the future scheduled quarterly sampling events.

In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the SWMD records turbidity data at the three sampling points in the surface water tributary to Long Flat Creek after each significant rainfall event. During the quarter of November 2011 through January 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 numerous 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 total alpha at 15.7 picocuries per liter pCi/L which is slightly above the Primary Drinking Water Standard (PDWS) of 15 pCi/l. Radium 226/228 was observed at 13.1 picocuries per liter pCi/L, which is above the PDWS of 5 pCi/l This supply well consistently exhibits these parameters exceeding respective standards over the periods 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 not readily 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 extensive strip mining activities conducted in the southeast Hillsborough County area.

Total Dissolved Solids (TDS)
Surficial aquifer detection groundwater monitoring well TH-58 exhibited a TDS concentration of 450 mg/l. Over the period of record the TDS values across the site have been steady and consistently observed under the SDWS of 500 mg/l. However, as demonstrated by the Initial Assessment Monitoring Plan (IAMP) sampling events, the TDS values have been observed to increase in the wells in close proximity to the sinkhole. These increases are likely attributable to impacts from the sinkhole and more specifically the grout materials/fluids injected into the subsurface to stabilize the area. The County is currently conducting an evaluation of water quality changes in TH-58, and anticipate completing this evaluation and submitting the report to the FDEP in June 2012.

Chloride
Surficial aquifer detection groundwater monitoring well TH-58 exhibited chloride at a concentration of 140 mg/l, which is below the SDWS of 250 mg/l. An increase in chloride values in the surficial aquifer wells in close proximity to the sinkhole have been observed over the past year. The increase in chloride concentrations is likely attributable to the grout materials and fluids injected into the subsurface to stabilize the sinkhole. All other wells were observed with comparatively low chloride values well within the SDWS.

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 0.026 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 sinkhole or grouting, 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 twelve (12) of the fourteen (14) surficial aquifer detection and background water quality monitoring wells were observed above the SDWS of 0.3 mg/l. The concentrations of iron ranged from 0.18 mg/l to 39 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-67 and TH-69A at 7.2 and 39 mg/L, respectively. The iron concentrations along the northwest side of Section 9 have been elevated from the initial sampling event, prior to waste filling, and appear likely attributable to the imported soils placed during construction of Section 9.

The potential sources for the elevated iron concentrations at 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 0.54 mg/l and 1.6 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

Surface water sampling locations, 3A and 3B2B were not able to be collected during this water quality assessment. Dry weather conditions over the past few months in the regional area have resulted in very little to no surface water at these sampling locations. The County will attempt to collect surface water at all locations during the May 2012 quarterly sampling event. The site's discharge compliance sampling point, 3C2 exhibited water quality within applicable standards.

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 diagram for this event was prepared utilizing the Surfer 7 and AutoCAD software and presented with a 2 ft. contour interval. Manual modifications were made to the contours in the area of the sinkhole in an attempt to accurately represent flow within the surficial aquifer. However, the water table elevations in this area are within tenths of a foot and present a challenge to depict.

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 values 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 impacts observed in TH-58 continue to be thoroughly evaluated and the findings will be presented in a separate report.

The Floridan aquifer monitoring wells continue to exhibit water quality within all applicable standards, and the private supply wells do not appear to exhibit any impacts attributable to the landfill.

The County and the engineer of record, HDR Engineering, continue to work cooperatively with the FDEP on evaluating the sinkhole and the development of a sound remedial strategy. To date impacts to water quality from the sinkhole and/or grouting materials appear to remain localized and limited within the surficial.

Enclosed for your review is a detailed site location map, the data summary tables for the groundwater monitoring wells, the surface water sites, 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 May 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,

David S. Adams 4/30/2012

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

DAVID S. ADAMS LICENSE № 1827 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

DSA/mdt

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Megan Miller, P.E. I, Solid Waste Operations
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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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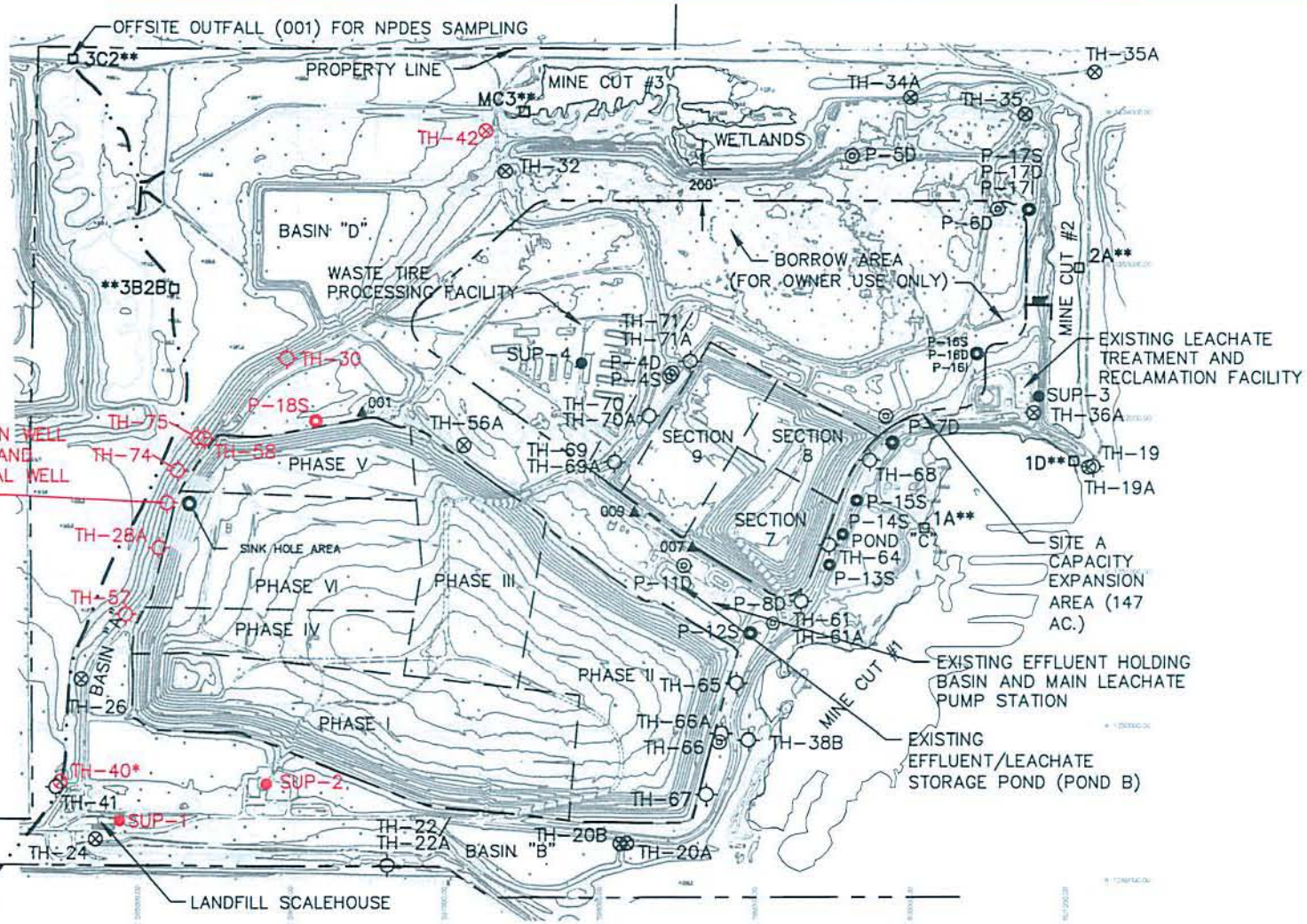

Hillsborough County Florida

SHEET TITLE

MONITORING WELLS, PIEZOMETERS, AND SURFACE WATER MONITORING LOCATIONS HILLSBOROUGH COUNTY, FLORIDA

PROJECT NUMBER	REFERENCE SHEET
SCALE	DRAWING NAME
DATE DECEMBER 2011	EXHIBIT NUMBER 1

C:\pwworking\tpa\d0266713\Well Location Map - Revised 12-21-11.dwg, Plot, 12/21/2011 10:08:10 AM, bradjohn

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill (Phases 1-6)
February 20-22, 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)	395	306	228	271	138	881	269	356	597	NS
dissolved oxygen (mg/l) (field)	0.44	0.31	0.36	1.55	0.47	1.43	0.43	1.31	0.80	NS
pH (field)	6.67	7.52	4.22	5.14	5.09	5.77	5.29	6.04	6.29	(6.5 - 8.5)**
temperature (°C) (field)	23.40	23.40	21.10	25.70	25.90	25.40	24.10	23.20	22.70	NS
turbidity (NTU) (field)	0.40	0.6	1.4	2.3	0.5	2.8	2.5	1.7	11.5	NS
total dissolved solids (mg/l)	210	200	120	180	96	450	140	160	280	500**
chloride (mg/l)	7.3	7.6	16	63	29	140	16	46	39	250**
ammonia nitrogen (mg/l as N)	0.24	0.26	0.44	1.6	0.68	0.61	1.3	0.33	1.5	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	0.0024 i	0.0013 u	0.026	0.0028	0.0033	0.0013 u	0.01*
barium	0.0055 v	0.0058	0.042 v	0.002 i	0.0064	0.036	0.0013 u	0.003 iv	0.0046 iv	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	0.000095 u	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 u	0.00015 u	0.00055	0.00015 u	0.00035 i	0.00077	0.00069	0.00048 i	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	0.059 i	0.033 u	0.37	3.6	0.31	3.1	2.4	0.57	7.2	0.3**
lead	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.0002 u	0.015*
nickel	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.0034 i	0.1*
selenium	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.001 u	0.0012 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	14	17	3.9	24	12	43	13	11	29	160*
thallium	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.00087 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	0.0067 i	0.0064 i	0.024	0.0071 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 2007
NS=NO STANDARD
MCL=MAXIMUM CONTAMINANT LEVEL
BDL=BELOW DETECTION LIMIT
*=DENOTES PRIMARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.310, FAC
**=DENOTES SECONDARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.320, FAC
**=DENOTES GROUNDWATER CLEANUP TARGET LEVEL AS PER CHAPTER 62-777, FAC
4.22 : 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) March 20-22, 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)	153	186	280	250	614	408	741	NS
dissolved oxygen (mg/l) (field)	0.43	1.45	0.99	1.62	0.31	0.79	0.24	NS
pH (field)	5.35	5.71	5.00	5.51	6.09	6.36	6.03	(6.5 - 8.5)**
temperature (°C) (field)	25.10	24.9	25.3	25.8	24.5	25.00	24.1	NS
turbidity (NTU) (field)	17.9	5.4	10.3	86	4.9	14.7	12.7	NS
total dissolved solids (mg/l)	94	110	170	180	400	260	450	500**
chloride (mg/l)	7.9	4.6	19	18	83	25	48	250**
ammonia nitrogen (mg/l as N)	0.19	0.46	0.27	0.12	0.54	0.76	1.5	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	10*
								(MCL) STANDARD
Metals: (mg/l)	TH-36-A	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	
antimony	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.006*
arsenic	0.0014 i	0.0013 u	0.0013 u	0.0047	0.0013 u	0.002 i	0.0078	0.01*
barium	0.0079 v	0.0059 v	0.022 v	0.051 v	0.0058	0.0042 i	0.018	2*
beryllium	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	0.0001 i	0.00016 i	0.00081	0.000095 u	0.000095 u	0.000095 u	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	0.012	0.0025 u	0.0025 u	0.0025 u	0.1*
cobalt	0.00015 u	0.00015 i	0.00015 u	0.00015 u	0.00015 u	0.00016 i	0.0014	140***
copper	0.0011 u	0.0013 i	0.0011 u	0.0084	0.0011 u	0.0011 u	0.0011 u	1**
iron	0.18	0.3	0.8	4.2	6.1	3.9	39	0.3**
lead	0.00051 i	0.0002 u	0.0002 i	0.0051	0.00022 i	0.0002 u	0.0002 u	0.015*
nickel	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.002 u	0.006	0.1*
selenium	0.001 u	0.001 u	0.001 u	0.0029	0.001 u	0.001 u	0.001 u	0.05*
silver	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.1**
sodium	5.5	3.4	8.9	7.9	15	8.9	6.3	160*
thallium	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.0005 u	0.002 *
vanadium	0.14	0.028	0.0056 i	0.013	0.0038 u	0.0038 u	0.012	49***
zinc	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	0.00034	0.000091 u	0.000091 u	0.000091 u	0.002*

Notes: Reference Groundwater Guidance Concentrations, FDEP 2007
NS=NO STANDARD
MCL=MAXIMUM CONTAMINANT LEVEL
BDL=BELOW DETECTION LIMIT
*=DENOTES PRIMARY DRINKING WATER STANDARD AS PER CHAPTER 62-550.310, FAC
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5.35 : EXCEEDS STANDARDS
NTU=NEPHELOMETRIC TURBIDITY UNITS
ug/l=MICROGRAMS PER LITER
mg/l=MILLIGRAMS PER LITER

Surface Water Sample Locations
Southeast County Landfill
February 20, 2012

GENERAL PARAMETERS	Mine Cut #1	Surface Site 3A	Surface Site 3B2B	Surface Site 3C2	(MCL) STANDARD F.A.C. 62-302
water level NGVD	119.46	ND	ND	87.43	NS
conductivity (umhos/cm) (field)	506	ND	ND	241	1275
dissolved oxygen (mg/l) (field)	6.25	ND	ND	7.13	Must Be > OR=5.0
pH (field)	7.14	ND	ND	7.06	(6.5 - 8.5)
temperature (°C) in field	19.20	ND	ND	19.4	NS
turbidity (field) (NTU)	23	ND	ND	1.9	29
total dissolved solids (mg/l)	310	ND	ND	130	NS
total suspended solids (mg/l)	56	ND	ND	5.6	NS
nitrate (mg/l)	0.1 u	ND	ND	0.1 u	NS
total nitrogen (mg/l)	4.5	ND	ND	0.57 i	NS
total phosphorous (mg/l)	2.1	ND	ND	0.89	NS
biochem. oxygen demand (mg/l)	21	ND	ND	2 u	NS
chemical oxygen demand (mg/l)	100	ND	ND	32	NS
total organic carbon (mg/l as C)	22	ND	ND	14	NS
chlorophyl-A (mg/m3)	114	ND	ND	3.9	NS
total hardness (mg/l as CaCO)	140	ND	ND	89	NS
unionized ammonia (mg/l)	0.00081	ND	ND	0.00014 u	NS
fecal coliform (Col/100ml)	400	ND	ND	200	800

Metals: (mg/l)	Mine Cut #1	Surface Site 3A	Surface Site 3B2B	Surface Site 3C2	(MCL) STANDARD F.A.C. 62-302
iron	0.26	ND	ND	0.39	1
copper	0.0011 u	ND	ND	0.0011 u	**
arsenic	0.0013 u	ND	ND	0.0014 i	< or = to 0.050
barium	0.0063	ND	ND	0.0058	NS
beryllium	0.00025 u	ND	ND	0.00025 u	1.3
cobalt	0.00017 i	ND	ND	0.00015 u	NS
lead	0.00022 i	ND	ND	0.0002 u	******
vanadium	0.0044 i	ND	ND	0.0038 i	NS
chromium	0.0025 u	ND	ND	0.0025 u	***
nickel	0.002 u	ND	ND	0.002 u	****
zinc	0.0083 u	ND	ND	0.0083 u	*
thallium	0.0005 u	ND	ND	0.0005 u	< or = to 0.0063
cadmium	0.000095 u	ND	ND	0.000095 u	*****
mercury	0.000091 u	ND	ND	0.000091 u	0.000012

NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh
NS= NO STANDARD
ND= NO DATA (No water at sample locations)
MCL= MAXIMUM CONTAMINANT LEVEL
BDL= BELOW DETECTION LIMIT
*= Zn< or =e(0.8473[lnH]+0.7614), note: H=Hardness, for 3A standard is 105.99
**= Cu< or =e(0.8545[lnH]-1.702)
***= Cr< or =e(0.819[lnH]+0.6848)
****= Ni< or =e(0.846[lnH]+0.0584)
******= Pb<=e(1.273[lnH]-4.705)
*****= Cd<or =e(0.749[lnH]-4.719)
NTU= NEPHELOMETRIC TURBIDITY UNITS
µg/l= MICROGRAMS PER LITER
mg/l= MILLIGRAMS PER LITER

Analytical Data - Leachate Sumps 001, 007, and 009
Southeast County Landfill
February 22, 2012

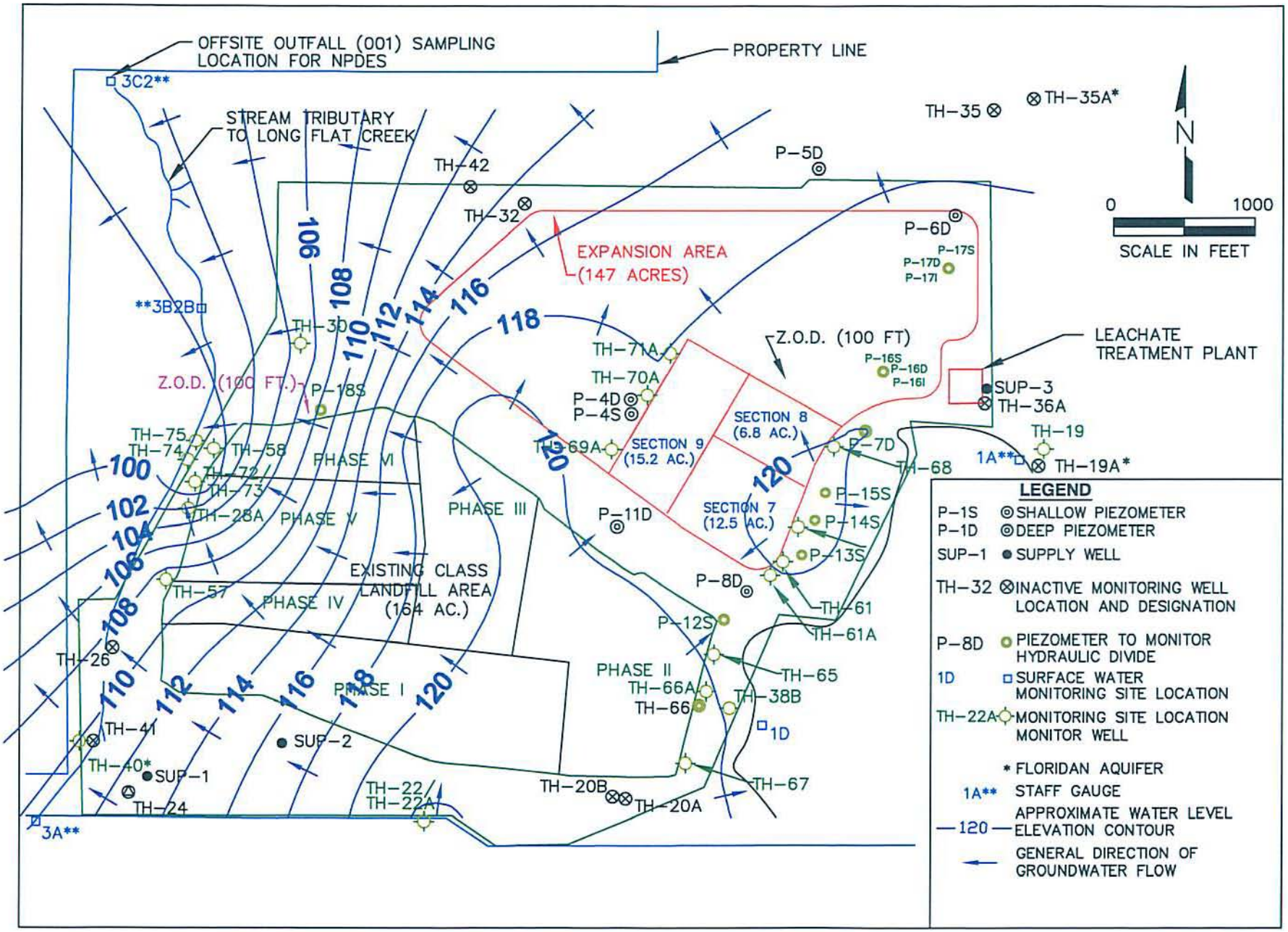
PARAMETERS	LEACHATE SUMP 001	LEACHATE SUMP 007	LEACHATE SUMP 009
conductivity (umhos/cm) (field)	11223	13830	21260
pH (field)	6.94	6.23	5.89
total dissolved solids (mg/l)	6200	10000	16000
temperature (°C) (field)	36.5	29.4	29
dissolved oxygen (mg/l)	0.36	1.72	2.64
sulfide (mg/l)	6.6	1 u	3.2
bicarbonate (as CaCO3)	2700	400	79
chloride (mg/l)	2400	4800	8300
total cyanide (mg/l)	0.0067 i	0.0026 i	0.0025 u
ammonia	290	200	210
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u
Metals: (mg/l)	**LEACHATE SUMP 001**	**LEACHATE SUMP 007**	**LEACHATE SUMP 009**
iron	49	130	550
antimony	0.0092 u	0.0092 u	0.0092 u
arsenic	0.023	0.012	0.018
barium	0.14	0.52	0.46
cadmium	0.00038 u	0.00038 u	0.00038 u
cobalt	0.019	0.014	0.0059
chromium	0.013 i	0.011 i	0.01 u
copper	0.0075 i	0.077	0.036
vanadium	0.093	0.042	0.015 u
lead	0.0039 i	0.002 i	0.0008 u
mercury	0.000091 u	0.0001 i	0.00015 i
nickel	0.069	0.083	0.089
selenium	0.004 u	0.004 u	0.004 u
sodium	1900	1500	1900
thallium	0.0005 u	0.0005 u	0.0005 u
zinc	0.039 i	0.6	0.16
tin	0.0052 u	0.0052 u	0.0052 u
Organics: (µg/l) Organic Parameters Detected	**LEACHATE SUMP 001**	**LEACHATE SUMP 007**	**LEACHATE SUMP 009**
benzene	1.3	21	7.9
chlorobenzene	2.9	0.63 u	0.63 u
chloroethane	2.5 u	2.5 u	3.4 i
1,1-dichloroethane	0.52 u	0.52 u	0.71 i
1,2-dichloroethane	0.57 u	0.57 u	3.2
1,2-dichloropropane	0.52 u	0.72 i	0.63 i
ethylbenzene	3.2	10	2.6
2-methylnaphthalene	0.48 u	0.48 u	0.51 u
2-naphthylamine	0.98 u	11	2.5 i
naphthalene	3.6	4.4	1.5 i
2-toluidine	1.2 u	32	4.5 i
2,4-D	1	0.037 u	0.038 u
delta-BHC	0.0027 u	0.014 i	0.012 i
toluene	0.51 u	4	0.68 i
total xylenes	1.8 i	22	6.8
vinyl chloride	0.5 u	3.2	2.6

NTU=NEPHELOMETRIC TURBIDITY UNITS
µg/l=MICROGRAMS PER LITER
mg/l=MILLIGRAMS PER LITER

Groundwater and Surface Water Elevations for Southeast County Landfill
February 20, 2012

Measuring Point I.D.	T.O.C. Elevations (NGVD)	02/20/2012 W.L. B.T.O.C.	W.L. (NGVD)	Time
P-4D	140.78	22.79	117.99	10:31 AM
P-4S	140.95	Dry	Dry	10:30 AM
P-5D	151.94	Dry	Dry	11:32 AM
P-6D-A	148.01	28.88	119.13	11:23 AM
P-7D	138.92	18.88	120.04	12:09 PM
P-8D	138.34	19.13	119.21	12:37 PM
P-11D	138.02	18.45	119.57	12:41 PM
P-12S	134.97	15.32	119.65	12:45 PM
P-13S	140.21	20.52	119.69	12:28 PM
P-14S	138.56	18.88		12:22 PM
P-15S	139.19	19.52	119.67	12:19 PM
P-16S	143.38	16.98	126.40	11:03 AM
P-16I	144.15	25.09	119.06	11:05 AM
P-16D	143.84	24.81	119.03	11:07 AM
P-17S	137.35	17.36	119.99	11:42 AM
P-17I	137.32	18.21	119.11	11:39 AM
P-17D	137.22	18.20	119.02	11:37 AM
P-18S	129.86	19.05	110.81	10:15 AM
P-19	133.36	15.28	118.08	11:28 AM
P-20	132.38	13.90	118.48	11:18 AM
P-21	122.79	4.78	118.01	10:48 AM
P-22	128.35	10.07	118.28	10:52 AM
P-23	143.13	24.54	118.59	10:57 AM
TH-19*	130.27	112.08	18.19	11:59 AM
TH-20A	131.86	10.81	121.05	1:09 PM
TH-20B	132.57	11.83	120.74	1:13 PM
TH-22	128.82	6.40	122.42	1:23 PM
TH-22A	129.27	7.03	122.24	1:21 PM
TH-24A	128.23	6.95	121.28	1:28 PM
TH-28A	131.10	28.90	102.20	2:38 PM
TH-30	128.88	24.13	104.75	2:24 PM
TH-32	129.90	15.17	114.73	2:19 PM
TH-35	145.98	29.29	116.69	11:47 AM
TH-36A	152.70	33.78	118.92	12:03 PM
TH-38A	130.68	11.29	119.39	12:58 PM
TH-38B	131.81	12.03	119.78	1:00 PM
TH-40*	124.99	108.89	16.10	1:34 PM
TH-41*	125.00	112.17	12.83	1:37 PM
TH-42*	116.74	86.22	30.52	2:16 PM
TH-57	128.36	19.98	108.38	1:42 PM
TH-58	127.88	28.41	99.47	2:28 PM
TH-61	138.73	18.60	120.13	12:31 PM
TH-61A	139.45	19.21	120.24	12:34 PM
TH-64	139.64	19.06	120.58	12:25 PM
TH-65	135.40	15.56	119.84	12:48 PM
TH-66	130.58	10.38	120.20	12:54 PM
TH-66A	130.66	10.84	119.82	12:58 PM
TH-67	129.51	7.38	122.13	1:05 PM
TH-68	140.01	17.35	122.66	12:12 PM
TH-69A	144.97	26.25	118.72	10:27 AM
TH-70A	146.63	27.15	119.48	10:21 AM
TH-71A	146.95	27.77	119.18	10:25 AM
TH-72	130.96	116.20	14.76	2:33 PM
TH-73	131.07	32.24	98.83	2:35 PM
TH-74	109.08	10.27	98.81	1:46 PM
TH-75	106.92	8.03	98.84	1:50 PM
SW-3A	3.0'=125.53'	Dry	Dry	12:05 PM
SW-3B2B	3.0'=97.97'	Dry	Dry	1:58 PM
SW-3C2	6.0'=92.33'	1.10	87.43	2:03 PM
Mine Cut #1	4.0'=122.14'	1.32	119.46	2:15 PM
Mine Cut #2	6.0'=123.47'	1.78	119.25	11:52 AM
Mine Cut #3	4.0'=112.27'	2.02	110.29	2:11 PM
Mine Cut #4	5.0'=97.54'	1.42	93.96	2:08 PM

NGVD = National Geodetic Vertical Datum
T.O.C. = Top of Casing
B.T.O.C. = Below Top of Casing
* = Floridan Well
ND =No Data
W.L. = Water Level



Southeast County Landfill

Groundwater Elevation Contour Diagram – February 20, 2012

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Lucia E. Garsys
Sharon D. Subadan

April 30, 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 February 20, 2012. Iron was observed at a concentration of 1.6 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,

Michael D. Townsel 4/30/2012
Senior Hydrologist
Public Utilities Department
Environmental Services

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

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Sharon D. Subadan

April 30, 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 February 20, 2012. Iron was observed at a concentration of 0.54 milligrams per liter (mg/l). This value exceeds the Florida Secondary Drinking Water Standard (FAC Ch 62-550.320) of 0.3 mg/l. Total alpha and radium 226/228 were also observed at concentrations of 15.7 picocuries per liter (pCi/l) and 13.1 pCi/l, which exceed the Florida Primary Drinking Water Standards (FAC Ch 62-550.310) of 15 and 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 4/30/2012
Senior Hydrologist
Public Utilities Department
Environmental Services

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

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DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garsys
Sharon D. Subadan

April 30, 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 February 20, 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,

Michael D. Townsel
Senior Hydrologist 4/30/2012
Public Utilities Department
Environmental Services

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

Analytical Results from Private Well Samples at the Southeast Landfill
February 20, 2012

GENERAL (mg/l)	Private Wells				(MCL) STANDARD
PARAMETERS	Weeks	Holland	Keene, Jr.	Barnes	
conductivity (umhos/cm) (field)	562	410	360	337	NS
dissolved oxygen (mg/l) (field)	0.97	0.13	0.14	3.81	NS
pH (field)	7.03	7.20	7.61	7.37	(6.5 - 8.5)**
temperature (°C) (field)	23.50	23.90	24.70	20.2	NS
turbidity (NTU) (field)	0.6	0.40	0.4	0.5	NS
total dissolved solids (mg/l)	260	180	170	140	500**
total suspended solids (mg/l)	2	4.8	1 u	1 u	NS
total organic carbon (mg/l)	2.7	1.4	1.5	1.6	NS
chloride (mg/l)	39	19	10	5.9	250**
ammonia nitrogen (mg/l as N)	0.14	0.05	0.18	0.086	2.8***
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.21 i	10*
total alpha (pCi/l)	15.7	2.4	2.9	6.3	15*
radium 226/228 (pCi/l)	13.1	2.1	2.9	3.7	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	0.0041	0.0013 u	0.0013 u	0.0013 u	0.01*
barium	0.0053 v	0.0043 iv	0.0042 iv	0.0049 iv	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	0.0019 i	0.0011 u	0.0013 i	1**
iron	0.54	1.6	0.033 u	0.082 i	0.3**
lead	0.00074 i	0.0002 u	0.0002 u	0.0029	0.015*
nickel	0.002 u	0.0066	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	8.8	5.6	7.4	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	0.063	0.022	0.0083 u	0.23	5**
mercury	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.002*

Notes: Reference Groundwater Guidance Concentrations, FDEP 2007
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
15.7 : EXCEEDS STANDARDS
NTU=NEPHELOMETRIC TURBIDITY UNITS
pCi/l=PICOCURIES PER LITER
ug/l=MICROGRAMS PER LITER
mg/l=MILLIGRAMS PER LITER

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: 660-46215-1
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:
3/14/2012 11:06:19 AM

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

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 660-46215-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
L	Off-scale high. Actual value is known to be greater than the value given.
V	Indicates the analyte was detected in both the sample and the associated method blank.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates the analyte was detected in both the sample and the associated method blank.

General Chemistry

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.

Biology

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.

OrlandoSVC

Qualifier	Qualifier Description
U	The compound was analyzed for but not detected

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 660-46215-1

Laboratory: TestAmerica Tampa

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Narrative

Job Narrative
660-46215-1

Comments
No additional comments.

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

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for batch 121368 and 121394 exceeded control limits for the following analyte: Vinyl acetate. 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 matrix spike(MS) recoveries for batch 121368 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8260B: The matrix spike (MS) recoveries for batch 121387 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8260B: The matrix spike (MS) recoveries for batch 121394 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8260B: The matrix spike(MS) recoveries for batch 121418 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and or LCSD associated with batch 121523 had 4 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified with J3.

Method 8270C: The matrix spike (MS) recoveries associated with batch 121523 were outside control limits. Matrix interference is suspected. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8270C LL: The matrix spike (MS) recoveries associated with batch 121411 were outside control limits. Matrix interference is suspected. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8270C: Surrogate recoveries for the following sample was outside control limits: Leachate Sump 007 WACS# 20495 (660-46254-1). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed. The sample is flagged with J1.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8011: The matrix spike (MS) recoveries for batch 121408 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8011: The matrix spike (MS) recoveries for batch 121462 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8081A: The matrix spike (MS) recoveries for batch 121444 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Job ID: 660-46215-1 (Continued)

Laboratory: TestAmerica Tampa (Continued)

4

Method 8081A: Surrogate recovery for the following samples were outside control limits: Leachate Sump 007 WACS# 20495 (660-46254-1), Leachate Sump 009 WACS# 22599 (660-46254-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The samples are flagged with J1.

Method 8082 Surrogate recovery for the following samples were outside control limits: Leachate Sump 007 WACS# 20495 (660-46254-1), Leachate Sump 009 WACS# 22599 (660-46254-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The samples are flagged with J1.

Method 8082: The matrix spike (MS) recovery for Aroclor-1260 for batch 121444 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample is flagged with J3.

Method 8151A: Surrogate recovery for the following sample was outside control limits: Leachate Sump 007 WACS# 20495 (660-46254-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The sample is flagged with J1.

Method 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 230074 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method 6020A: The method blank associated with batch 229909 had an estimated result for barium between the MDL and PQL. The associated samples are flagged with V.

Method 6020A: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: Leachate Sump 001 WACS# 919 (660-46254-3), Leachate Sump 007 WACS# 20495 (660-46254-1), Leachate Sump 009 WACS# 22599 (660-46254-2).

Method 7470A: During pH adjustment, the following sample required 1 mL of acid to reach the desired pH: Leachate Sump 001 WACS# 919 (660-46254-3).

No other analytical or quality issues were noted.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 121685 was outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 121716 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 350.1: The matrix spike (MS) recoveries for batch 121720 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 121353 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 9222D: The matrix duplicate %RPD for fecal coliform associated with batch 121849 was outside the control limits due to potential non homogeneity of the sample.

Method SM 9222D: Standard Methods 9222D requires a weighted average to be performed if multiple dilutions are analyzed with no dilution falling within the ideal range of 20-60 colonies. Three dilutions were performed for sample (660-46215-6 DU), Mine Cut #1D WACS# 834 (660-46215-8), Surface Site 3C2 WACS# 838 (660-46215-6). No dilution fell within the ideal range; therefore, the final result was obtained using the weighted average.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 660-46215-1

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Client Sample ID: Holland WACS# 883 — Lab Sample ID: 660-46215-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.3	I V	5.0	1.3	ug/L	1		6020A	Total Recovera
Copper	1.9	I	5.0	1.1	ug/L	1		6020A	Total Recovera
Iron	1600		100	33	ug/L	1		6020A	Total Recovera
Nickel	6.6		5.0	2.0	ug/L	1		6020A	Total Recovera
Sodium	5.6		0.50	0.25	mg/L	1		6020A	Total Recovera
Zinc	22		20	8.3	ug/L	1		6020A	Total Recovera
Chloride	19		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.050	J3	0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	180		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.8		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	1.4		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	7.20				SU	1		Field Sampling	Total/NA
Field Temperature	23.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	410				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: Blank, Equipment Private Wells 46215 — Lab Sample ID: 660-46215-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.46	I	0.50	0.25	mg/L	1		6020A	Total Recovera

Client Sample ID: Barnes WACS# 881 — Lab Sample ID: 660-46215-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.9	I V	5.0	1.3	ug/L	1		6020A	Total Recovera
Copper	1.3	I	5.0	1.1	ug/L	1		6020A	Total Recovera
Iron	82	I	100	33	ug/L	1		6020A	Total Recovera
Lead	2.9		1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	14		0.50	0.25	mg/L	1		6020A	Total Recovera
Zinc	230		20	8.3	ug/L	1		6020A	Total Recovera
Chloride	5.9		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.086		0.020	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	0.21	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	140		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	7.37				SU	1		Field Sampling	Total/NA
Field Temperature	20.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.81				mg/L	1		Field Sampling	Total/NA
Specific Conductance	337				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.50				NTU	1		Field Sampling	Total/NA

Client Sample ID: Weeks WACS# 914 — Lab Sample ID: 660-46215-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.1		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	5.3	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	540		100	33	ug/L	1		6020A	Total Recovera
Lead	0.74	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	8.8		0.50	0.25	mg/L	1		6020A	Total Recovera
Zinc	63		20	8.3	ug/L	1		6020A	Total Recovera
Chloride	39		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.14		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	10	mg/L	1		SM 2540C	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-46215-1

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Client Sample ID: Weeks WACS# 914 (Continued) — Lab Sample ID: 660-46215-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	2.0		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	2.7		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	7.03				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.97				mg/L	1		Field Sampling	Total/NA
Specific Conductance	562				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.60				NTU	1		Field Sampling	Total/NA

Client Sample ID: Blank, Equipment Surface Site 46215 — Lab Sample ID: 660-46215-5

No Detections

Client Sample ID: Surface Site 3C2 WACS# 838 — Lab Sample ID: 660-46215-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.4	I	2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	5.8		5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	390		100	33	ug/L	1		6020A	Total Recovera
Vanadium	3.8	I	10	3.8	ug/L	1		6020A	Total Recovera
Hardness as calcium carbonate	89		3.3	3.3	mg/L	1		SM 2340B	Total/NA
Phosphorus, Total	0.89		0.30	0.10	mg/L	1		365.4	Total/NA
Chemical Oxygen Demand	32		20	10	mg/L	1		5220 D	Total/NA
Total Dissolved Solids	130		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.6		1.0	1.0	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	14		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Nitrogen, Total	0.57	I	0.70	0.15	mg/L	1		Total Nitrogen	Total/NA
Coliform, Fecal	200		100	100	MPN/100mL	100		SM 9222D	Total/NA
Field pH	7.06				SU	1		Field Sampling	Total/NA
Field Temperature	19.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	7.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	241				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.90				NTU	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorophyll-a Uncorrected	3.90		2.00	2.00	ug/L	1.00		SM 10200H by E83	Total

Client Sample ID: Keen Jr. WACS# 28079 — Lab Sample ID: 660-46215-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.2	I V	5.0	1.3	ug/L	1		6020A	Total Recovera
Sodium	7.4		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	10		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	170		10	10	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	1.5		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Field pH	7.61				SU	1		Field Sampling	Total/NA
Field Temperature	24.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.14				mg/L	1		Field Sampling	Total/NA
Specific Conductance	360				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: Mine Cut #1D WACS# 834 — Lab Sample ID: 660-46215-8

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Client Sample ID: Mine Cut #1D WACS# 834 (Continued) — Lab Sample ID: 660-46215-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.3		5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.17	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	260		100	33	ug/L	1		6020A	Total Recovera
Lead	0.22	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Vanadium	4.4	I	10	3.8	ug/L	1		6020A	Total Recovera
Hardness as calcium carbonate	140		3.3	3.3	mg/L	1		SM 2340B	Total/NA
Phosphorus, Total	2.1		0.30	0.10	mg/L	1		365.4	Total/NA
Biochemical Oxygen Demand	21		6.0	6.0	mg/L	1		5210B	Total/NA
Chemical Oxygen Demand	100		20	10	mg/L	1		5220 D	Total/NA
Total Dissolved Solids	310		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	56		3.5	3.5	mg/L	1		SM 2540D	Total/NA
Total Organic Carbon	22		1.0	0.35	mg/L	1		SM 5310C	Total/NA
Nitrogen, Total	4.5		0.70	0.15	mg/L	1		Total Nitrogen	Total/NA
Unionized Ammonia as NH3	0.00081		0.00014	0.00014	mg/L	1		UnionizedNH3	Total/NA
Coliform, Fecal	400		100	100	MPN/100mL	100		SM 9222D	Total/NA
Field pH	7.14				SU	1		Field Sampling	Total/NA
Field Temperature	19.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	6.25				mg/L	1		Field Sampling	Total/NA
Specific Conductance	506				umhos/cm	1		Field Sampling	Total/NA
Turbidity	23.0				NTU	1		Field Sampling	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorophyll-a Uncorrected	114		2.00	2.00	ug/L	1.00		SM 10200H by E83	Total

Client Sample ID: Blank, Equipment NPDES 46215 — Lab Sample ID: 660-46215-10

No Detections

Client Sample ID: Blank, Travel 46215 — Lab Sample ID: 660-46215-11

No Detections

Client Sample ID: TH-61A WACS# 22595 — Lab Sample ID: 660-46229-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.9	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Cadmium	0.10	I	0.50	0.095	ug/L	1		6020A	Total Recovera
Cobalt	0.15	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Copper	1.3	I	5.0	1.1	ug/L	1		6020A	Total Recovera
Iron	300		100	33	ug/L	1		6020A	Total Recovera
Sodium	3.4		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	28		10	3.8	ug/L	1		6020A	Total Recovera
Chloride	4.6		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.46		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.71				SU	1		Field Sampling	Total/NA
Field Temperature	24.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.45				mg/L	1		Field Sampling	Total/NA
Specific Conductance	186				umhos/cm	1		Field Sampling	Total/NA
Turbidity	5.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-64 WACS# 20494 — Lab Sample ID: 660-46229-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	22	V	5.0	1.3	ug/L	1		6020A	Total Recovera

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Client Sample ID: TH-64 WACS# 20494 (Continued) — Lab Sample ID: 660-46229-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.16	I	0.50	0.095	ug/L	1		6020A	Total Recovera
Iron	800		100	33	ug/L	1		6020A	Total Recovera
Lead	0.20	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	8.9		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	5.6	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	19		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.27		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.00				SU	1		Field Sampling	Total/NA
Field Temperature	25.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.99				mg/L	1		Field Sampling	Total/NA
Specific Conductance	280				umhos/cm	1		Field Sampling	Total/NA
Turbidity	10.3				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-36A WACS# 20329 — Lab Sample ID: 660-46229-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.4	I	2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	7.9	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	180		100	33	ug/L	1		6020A	Total Recovera
Lead	0.51	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	5.5		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	14		10	3.8	ug/L	1		6020A	Total Recovera
Chloride	7.9		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.19		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	94		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.35				SU	1		Field Sampling	Total/NA
Field Temperature	25.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.43				mg/L	1		Field Sampling	Total/NA
Specific Conductance	153				umhos/cm	1		Field Sampling	Total/NA
Turbidity	17.9				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-68 WACS# 22039 — Lab Sample ID: 660-46229-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.7		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	51	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Cadmium	0.81		0.50	0.095	ug/L	1		6020A	Total Recovera
Chromium	12		5.0	2.5	ug/L	1		6020A	Total Recovera
Copper	8.4		5.0	1.1	ug/L	1		6020A	Total Recovera
Iron	4200		100	33	ug/L	1		6020A	Total Recovera
Lead	5.1		1.5	0.20	ug/L	1		6020A	Total Recovera
Selenium	2.9		2.5	1.0	ug/L	1		6020A	Total Recovera
Sodium	7.9		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	13		10	3.8	ug/L	1		6020A	Total Recovera
Mercury	0.34		0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	18		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.12		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	5.51				SU	1		Field Sampling	Total/NA
Field Temperature	25.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.62				mg/L	1		Field Sampling	Total/NA
Specific Conductance	250				umhos/cm	1		Field Sampling	Total/NA
Turbidity	86.0				NTU	1		Field Sampling	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-46215-1

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Client Sample ID: TH-19 WACS# 821 — Lab Sample ID: 660-46229-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.5	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	59	I	100	33	ug/L	1		6020A	Total Recovera
Sodium	14		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	7.3		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.24		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	210		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.67				SU	1		Field Sampling	Total/NA
Field Temperature	23.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.44				mg/L	1		Field Sampling	Total/NA
Specific Conductance	395				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-22A WACS# 19861 — Lab Sample ID: 660-46229-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	42	V	5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	370		100	33	ug/L	1		6020A	Total Recovera
Sodium	3.9		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	16		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.44		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	4.22				SU	1		Field Sampling	Total/NA
Field Temperature	21.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.36				mg/L	1		Field Sampling	Total/NA
Specific Conductance	228				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: Blank, Equipment 46229 — Lab Sample ID: 660-46229-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.48	I	0.50	0.25	mg/L	1		6020A	Total Recovera

Client Sample ID: TH-67 WACS# 20532 — Lab Sample ID: 660-46229-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	4.6	I V	5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.48	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	7200		100	33	ug/L	1		6020A	Total Recovera
Nickel	3.4	I	5.0	2.0	ug/L	1		6020A	Total Recovera
Sodium	29		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	7.1	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	39		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.5		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	280		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.29				SU	1		Field Sampling	Total/NA
Field Temperature	22.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.80				mg/L	1		Field Sampling	Total/NA
Specific Conductance	597				umhos/cm	1		Field Sampling	Total/NA
Turbidity	11.5				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-65 WACS# 20530 — Lab Sample ID: 660-46229-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.8		2.5	1.3	ug/L	1		6020A	Total Recovera

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Client Sample ID: TH-65 WACS# 20530 (Continued) — Lab Sample ID: 660-46229-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.77		0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	2400		100	33	ug/L	1		6020A	Total Recovera
Selenium	1.2	I	2.5	1.0	ug/L	1		6020A	Total Recovera
Sodium	13		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	6.4	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	16		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.3		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	5.29				SU	1		Field Sampling	Total/NA
Field Temperature	24.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.43				mg/L	1		Field Sampling	Total/NA
Specific Conductance	269				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.50				NTU	1		Field Sampling	Total/NA

Client Sample ID: Duplicate 1 46229 — Lab Sample ID: 660-46229-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		2.5	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.75		0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	2300		100	33	ug/L	1		6020A	Total Recovera
Selenium	1.1	I	2.5	1.0	ug/L	1		6020A	Total Recovera
Sodium	13		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	6.2	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	17		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.3		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	130		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TH-66A WACS# 22961 — Lab Sample ID: 660-46229-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	3.0	I V	5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.69		0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	570		100	33	ug/L	1		6020A	Total Recovera
Sodium	11		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	24		10	3.8	ug/L	1		6020A	Total Recovera
Chloride	46		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.33		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	6.04				SU	1		Field Sampling	Total/NA
Field Temperature	23.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.31				mg/L	1		Field Sampling	Total/NA
Specific Conductance	356				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.70				NTU	1		Field Sampling	Total/NA

Client Sample ID: Blank, Travel 46229 — Lab Sample ID: 660-46229-12

No Detections

Client Sample ID: Leachate Sump 007 WACS# 20495 — Lab Sample ID: 660-46254-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		1.0	0.50	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	0.72	I	1.0	0.52	ug/L	1		8260B	Total/NA

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Client Sample ID: Leachate Sump 007 WACS# 20495 (Continued)

Lab Sample ID: 660-46254-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	10		1.0	0.44	ug/L	1		8260B	Total/NA
Toluene	4.0		1.0	0.51	ug/L	1		8260B	Total/NA
Vinyl chloride	3.2		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	22		3.0	0.50	ug/L	1		8260B	Total/NA
Naphthalene	4.4		1.9	0.24	ug/L	1		8270C/LL_PAH	Total/NA
2-Naphthylamine	11		9.5	0.95	ug/L	1		8270C	Total/NA
2-Toluidine	32		9.5	1.1	ug/L	1		8270C	Total/NA
delta-BHC	0.014	I	0.050	0.0028	ug/L	1		8081A	Total/NA
Arsenic	12		10	5.2	ug/L	4		6020A	Total Recovera
Barium	520		20	5.2	ug/L	4		6020A	Total Recovera
Chromium	11	I	20	10	ug/L	4		6020A	Total Recovera
Cobalt	14		2.0	0.60	ug/L	4		6020A	Total Recovera
Copper	77		20	4.4	ug/L	4		6020A	Total Recovera
Iron	130000		100	33	ug/L	1		6020A	Total Recovera
Lead	2.0	I	6.0	0.80	ug/L	4		6020A	Total Recovera
Nickel	83		20	8.0	ug/L	4		6020A	Total Recovera
Sodium	1500		4.0	2.0	mg/L	8		6020A	Total Recovera
Vanadium	42		40	15	ug/L	4		6020A	Total Recovera
Zinc	600		80	33	ug/L	4		6020A	Total Recovera
Mercury	0.10	I	0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	4800		100	40	mg/L	200		300.0	Total/NA
Ammonia as N	200		1.6	0.80	mg/L	80		350.1	Total/NA
Bicarbonate Alkalinity as CaCO3	400		1.0	1.0	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	10000		250	250	mg/L	1		SM 2540C	Total/NA
Cyanide, Total	0.0026	I	0.010	0.0025	mg/L	1		SM 4500 CN E	Total/NA
Field pH	6.23				SU	1		Field Sampling	Total/NA
Field Temperature	29.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.72				mg/L	1		Field Sampling	Total/NA
Specific Conductance	13830				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.9		1.0	0.50	ug/L	1		8260B	Total/NA
Chloroethane	3.4	I	5.0	2.5	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.71	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	3.2		1.0	0.57	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	0.63	I	1.0	0.52	ug/L	1		8260B	Total/NA
Ethylbenzene	2.6		1.0	0.44	ug/L	1		8260B	Total/NA
Toluene	0.68	I	1.0	0.51	ug/L	1		8260B	Total/NA
Vinyl chloride	2.6		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	6.8		3.0	0.50	ug/L	1		8260B	Total/NA
Naphthalene	1.5	I	2.0	0.26	ug/L	1		8270C/LL_PAH	Total/NA
2-Naphthylamine	2.5	I	10	1.0	ug/L	1		8270C	Total/NA
2-Toluidine	4.5	I	10	1.2	ug/L	1		8270C	Total/NA
delta-BHC	0.012	I	0.051	0.0029	ug/L	1		8081A	Total/NA
Arsenic	18		10	5.2	ug/L	4		6020A	Total Recovera
Barium	460		20	5.2	ug/L	4		6020A	Total Recovera
Cobalt	5.9		2.0	0.60	ug/L	4		6020A	Total Recovera
Copper	36		20	4.4	ug/L	4		6020A	Total Recovera
Iron	550000		400	130	ug/L	4		6020A	Total Recovera
Nickel	89		20	8.0	ug/L	4		6020A	Total Recovera

Detection Summary

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

TestAmerica Job ID: 660-46215-1

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Client Sample ID: Leachate Sump 009 WACS# 22599 (Continued)

Lab Sample ID: 660-46254-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	1900		4.0	2.0	mg/L	8		6020A	Total Recovera
Zinc	160		80	33	ug/L	4		6020A	Total Recovera
Mercury	0.15	I	0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	8300		200	80	mg/L	400		300.0	Total/NA
Ammonia as N	210		1.6	0.80	mg/L	80		350.1	Total/NA
Bicarbonate Alkalinity as CaCO3	79		1.0	1.0	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	16000		250	250	mg/L	1		SM 2540C	Total/NA
Sulfide	3.2		1.0	1.0	mg/L	1		SM 4500 S2 F	Total/NA
Field pH	5.89				SU	1		Field Sampling	Total/NA
Field Temperature	29.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.64				mg/L	1		Field Sampling	Total/NA
Specific Conductance	21260				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	2.9		1.0	0.63	ug/L	1		8260B	Total/NA
Ethylbenzene	3.2		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	1.8	I	3.0	0.50	ug/L	1		8260B	Total/NA
Naphthalene	3.6		1.9	0.24	ug/L	1		8270C/LL_PAH	Total/NA
2,4-D	1.0		0.62	0.046	ug/L	1		8151A	Total/NA
Arsenic	23		10	5.2	ug/L	4		6020A	Total Recovera
Barium	140		20	5.2	ug/L	4		6020A	Total Recovera
Chromium	13	I	20	10	ug/L	4		6020A	Total Recovera
Cobalt	19		2.0	0.60	ug/L	4		6020A	Total Recovera
Copper	7.5	I	20	4.4	ug/L	4		6020A	Total Recovera
Iron	49000		100	33	ug/L	1		6020A	Total Recovera
Lead	3.9	I	6.0	0.80	ug/L	4		6020A	Total Recovera
Nickel	69		20	8.0	ug/L	4		6020A	Total Recovera
Sodium	1900		4.0	2.0	mg/L	8		6020A	Total Recovera
Vanadium	93		40	15	ug/L	4		6020A	Total Recovera
Zinc	39	I	80	33	ug/L	4		6020A	Total Recovera
Chloride	2400		100	40	mg/L	200		300.0	Total/NA
Ammonia as N	290		1.6	0.80	mg/L	80		350.1	Total/NA
Bicarbonate Alkalinity as CaCO3	2700		1.0	1.0	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	6200		250	250	mg/L	1		SM 2540C	Total/NA
Cyanide, Total	0.0067	I	0.010	0.0025	mg/L	1		SM 4500 CN E	Total/NA
Sulfide	6.6		1.0	1.0	mg/L	1		SM 4500 S2 F	Total/NA
Field pH	6.94				SU	1		Field Sampling	Total/NA
Field Temperature	36.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.36				mg/L	1		Field Sampling	Total/NA
Specific Conductance	11223				umhos/cm	1		Field Sampling	Total/NA

Client Sample ID: TH-40 WACS# 822

Lab Sample ID: 660-46254-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.8		5.0	1.3	ug/L	1		6020A	Total Recovera
Sodium	17		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	7.6		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.26		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA

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Client Sample ID: TH-40 WACS# 822 (Continued) — Lab Sample ID: 660-46254-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.52				SU	1		Field Sampling	Total/NA
Field Temperature	23.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.31				mg/L	1		Field Sampling	Total/NA
Specific Conductance	306				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.60				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-58 WACS3 1571 — Lab Sample ID: 660-46254-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	26		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	36		5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.35	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	3100		100	33	ug/L	1		6020A	Total Recovera
Sodium	43		0.50	0.25	mg/L	1		6020A	Total Recovera
Thallium	0.87	I	1.0	0.50	ug/L	1		6020A	Total Recovera
Vanadium	6.7	I	10	3.8	ug/L	1		6020A	Total Recovera
Chloride	140		5.0	2.0	mg/L	10		300.0	Total/NA
Ammonia as N	0.61		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	450		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	5.77				SU	1		Field Sampling	Total/NA
Field Temperature	25.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.43				mg/L	1		Field Sampling	Total/NA
Specific Conductance	881				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.80				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-28A WACS# 19862 — Lab Sample ID: 660-46254-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.4	I	2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	2.0	I	5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.55		0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	3600		100	33	ug/L	1		6020A	Total Recovera
Sodium	24		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	63		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.6	J3	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	5.14				SU	1		Field Sampling	Total/NA
Field Temperature	25.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.55				mg/L	1		Field Sampling	Total/NA
Specific Conductance	271				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.30				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-57 WACS# 1570 — Lab Sample ID: 660-46254-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.4		5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	310		100	33	ug/L	1		6020A	Total Recovera
Sodium	12		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	29		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	0.68		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	96		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	5.09				SU	1		Field Sampling	Total/NA
Field Temperature	25.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.47				mg/L	1		Field Sampling	Total/NA

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Client Sample ID: TH-57 WACS# 1570 (Continued) — Lab Sample ID: 660-46254-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	138				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.50				NTU	1		Field Sampling	Total/NA

Client Sample ID: Blank, Equipment 46254 — Lab Sample ID: 660-46254-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	0.60		0.50	0.25	mg/L	1		6020A	Total Recovera

Client Sample ID: TH-70A WACS# 22959 — Lab Sample ID: 660-46254-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.0	I	2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	4.2	I	5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.16	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	3900		100	33	ug/L	1		6020A	Total Recovera
Sodium	8.9		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	25		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.76		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	260		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.36				SU	1		Field Sampling	Total/NA
Field Temperature	25.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.79				mg/L	1		Field Sampling	Total/NA
Specific Conductance	408				umhos/cm	1		Field Sampling	Total/NA
Turbidity	14.7				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-69A WACS# 22958 — Lab Sample ID: 660-46254-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	5.8		5.0	1.3	ug/L	1		6020A	Total Recovera
Iron	6100		100	33	ug/L	1		6020A	Total Recovera
Lead	0.22	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	15		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	83		5.0	2.0	mg/L	10		300.0	Total/NA
Ammonia as N	0.54		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	400		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	6.08				SU	1		Field Sampling	Total/NA
Field Temperature	24.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.31				mg/L	1		Field Sampling	Total/NA
Specific Conductance	614				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.90				NTU	1		Field Sampling	Total/NA

Client Sample ID: TH-71A WACS# 22960 — Lab Sample ID: 660-46254-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.8		2.5	1.3	ug/L	1		6020A	Total Recovera
Barium	18		5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	1.4		0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	39000		100	33	ug/L	1		6020A	Total Recovera
Nickel	6.0		5.0	2.0	ug/L	1		6020A	Total Recovera
Sodium	6.3		0.50	0.25	mg/L	1		6020A	Total Recovera
Vanadium	12		10	3.8	ug/L	1		6020A	Total Recovera
Chloride	48		1.0	0.40	mg/L	2		300.0	Total/NA
Ammonia as N	1.5		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	450		10	10	mg/L	1		SM 2540C	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-46215-1

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Client Sample ID: TH-71A WACS# 22960 (Continued) — Lab Sample ID: 660-46254-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Field pH	6.03				SU	1		Field Sampling	Total/NA
Field Temperature	24.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.24				mg/L	1		Field Sampling	Total/NA
Specific Conductance	741				umhos/cm	1		Field Sampling	Total/NA
Turbidity	12.7				NTU	1		Field Sampling	Total/NA

Client Sample ID: Duplicate 46254 — Lab Sample ID: 660-46254-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	7.4		5.0	1.3	ug/L	1		6020A	Total Recovera
Cobalt	0.18	I	0.50	0.15	ug/L	1		6020A	Total Recovera
Iron	7500		100	33	ug/L	1		6020A	Total Recovera
Lead	0.37	I	1.5	0.20	ug/L	1		6020A	Total Recovera
Sodium	18		0.50	0.25	mg/L	1		6020A	Total Recovera
Chloride	80		5.0	2.0	mg/L	10		300.0	Total/NA
Ammonia as N	0.54		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	390		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Blank, Travel 46254 — Lab Sample ID: 660-46254-13

No Detections

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Holland WACS# 883

Lab Sample ID: 660-46215-1

Date Collected: 02/20/12 09:57
Date Received: 02/20/12 15:30

Matrix: Water

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Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 12:29	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 12:29	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 12:29	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 12:29	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 12:29	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 12:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:29	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 12:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 12:29	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 12:29	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 12:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:29	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 12:29	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 12:29	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 12:29	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 12:29	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 12:29	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 12:29	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 12:29	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 12:29	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 12:29	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 12:29	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 12:29	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 12:29	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 12:29	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 12:29	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:29	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 12:29	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 12:29	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 12:29	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 12:29	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 12:29	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 12:29	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 12:29	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 12:29	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 12:29	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 12:29	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 12:29	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 12:29	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 12:29	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:29	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 12:29	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 12:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 12:29	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 12:29*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*02/22/12 12:29*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/22/12 12:29*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Holland WACS# 883

Lab Sample ID: 660-46215-1

Date Collected: 02/20/12 09:57
Date Received: 02/20/12 15:30

Matrix: Water

6

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		02/22/12 11:17	02/22/12 14:25	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/22/12 11:17	02/22/12 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*91*		*60 - 140*	*02/22/12 11:17*	*02/22/12 14:25*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 14:06	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 14:06	1
Barium	**4.3**	**I V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 14:06	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 14:06	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 14:06	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 14:06	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 14:06	1
Copper	**1.9**	**I**	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 14:06	1
Iron	**1600**		100	33	ug/L		02/23/12 16:58	02/25/12 14:06	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 14:06	1
Nickel	**6.6**		5.0	2.0	ug/L		02/23/12 16:58	02/25/12 14:06	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 14:06	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 14:06	1
Sodium	**5.6**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 14:06	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 14:06	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 14:06	1
Zinc	**22**		20	8.3	ug/L		02/23/12 16:58	02/25/12 14:06	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		0.50	0.20	mg/L			03/04/12 15:35	1
Ammonia as N	**0.050**	**J3**	0.020	0.010	mg/L			03/05/12 17:02	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:31	1
Total Dissolved Solids	**180**		10	10	mg/L			02/23/12 14:13	1
Total Suspended Solids	**4.8**		1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	**1.4**		1.0	0.35	mg/L			02/23/12 11:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.20**				SU			02/20/12 09:57	1
Field Temperature	**23.9**				Degrees C			02/20/12 09:57	1
Oxygen, Dissolved	**0.13**				mg/L			02/20/12 09:57	1
Specific Conductance	**410**				umhos/cm			02/20/12 09:57	1
Turbidity	**0.40**				NTU			02/20/12 09:57	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment Private Wells 46215

Lab Sample ID: 660-46215-2

Date Collected: 02/20/12 09:35
Date Received: 02/20/12 15:30

Matrix: Water

6

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 12:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 12:07	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 12:07	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 12:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 12:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 12:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:07	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 12:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 12:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 12:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 12:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 12:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 12:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 12:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 12:07	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 12:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 12:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 12:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 12:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 12:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 12:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 12:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 12:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 12:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 12:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 12:07	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 12:07	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 12:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 12:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 12:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 12:07	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 12:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 12:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 12:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 12:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 12:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 12:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 12:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 12:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 12:07	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 12:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 12:07	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*02/22/12 12:07*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/22/12 12:07*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/22/12 12:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment Private Wells 46215

Lab Sample ID: 660-46215-2

Date Collected: 02/20/12 09:35
Date Received: 02/20/12 15:30

Matrix: Water

6

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	0.0098	U	0.020	0.0098	ug/L		02/22/12 11:17	02/22/12 15:00	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		02/22/12 11:17	02/22/12 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*94*		*60 - 140*	*02/22/12 11:17*	*02/22/12 15:00*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 14:13	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 14:13	1
Barium	1.3	U	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 14:13	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 14:13	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 14:13	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 14:13	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 14:13	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 14:13	1
Iron	33	U	100	33	ug/L		02/23/12 16:58	02/25/12 14:13	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 14:13	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 14:13	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 14:13	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 14:13	1
Sodium	**0.46**	**I**	0.50	0.25	mg/L		02/23/12 16:58	02/25/12 14:13	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 14:13	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 14:13	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 14:13	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/04/12 15:52	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			03/05/12 17:06	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:35	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/23/12 14:14	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/23/12 11:55	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3

Date Collected: 02/20/12 11:05
Date Received: 02/20/12 15:30

Matrix: Water

6

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 13:14	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 13:14	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 13:14	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 13:14	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 13:14	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 13:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 13:14	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 13:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 13:14	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 13:14	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 13:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 13:14	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 13:14	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 13:14	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 13:14	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 13:14	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 13:14	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 13:14	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 13:14	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 13:14	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 13:14	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 13:14	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 13:14	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 13:14	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 13:14	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 13:14	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			02/22/12 13:14	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 13:14	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 13:14	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 13:14	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 13:14	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 13:14	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 13:14	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 13:14	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 13:14	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 13:14	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 13:14	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 13:14	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 13:14	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 13:14	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 13:14	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 13:14	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 13:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 13:14	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*02/22/12 13:14*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*02/22/12 13:14*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/22/12 13:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3

Date Collected: 02/20/12 11:05
Matrix: Water
Date Received: 02/20/12 15:30

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		02/22/12 11:17	02/22/12 15:36	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/22/12 11:17	02/22/12 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*84*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/23/12 16:58	02/25/12 14:21	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 14:21	1
Barium	**4.9**	**I V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 14:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 14:21	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 14:21	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 14:21	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 14:21	1
Copper	**1.3**	**I**	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 14:21	1
Iron	**82**	**I**	100	33	ug/L		02/23/12 16:58	02/25/12 14:21	1
Lead	**2.9**		1.5	0.20	ug/L		02/23/12 16:58	02/25/12 14:21	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 14:21	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 14:21	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 14:21	1
Sodium	**14**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 14:21	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 14:21	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 14:21	1
Zinc	**230**		20	8.3	ug/L		02/23/12 16:58	02/25/12 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		02/22/12 14:11	02/24/12 15:32	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		0.50	0.20	mg/L			03/04/12 16:08	1
Ammonia as N	**0.086**		0.020	0.010	mg/L			03/05/12 15:53	1
Nitrate as N	**0.21**	**I**	0.50	0.10	mg/L			02/21/12 15:36	1
Total Dissolved Solids	**140**		10	10	mg/L			02/23/12 14:14	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	**1.6**		1.0	0.35	mg/L			02/23/12 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.37**				SU			02/20/12 11:05	1
Field Temperature	**20.2**				Degrees C			02/20/12 11:05	1
Oxygen, Dissolved	**3.81**				mg/L			02/20/12 11:05	1
Specific Conductance	**337**				umhos/cm			02/20/12 11:05	1
Turbidity	**0.50**				NTU			02/20/12 11:05	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Weeks WACS# 914
Date Collected: 02/20/12 10:29
Date Received: 02/20/12 15:30

Lab Sample ID: 660-46215-4
Matrix: Water

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Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 14:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 14:44	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 14:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 14:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 14:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 14:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:44	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 14:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 14:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 14:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 14:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 14:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 14:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 14:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 14:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 14:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 14:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 14:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 14:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 14:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 14:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 14:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 14:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 14:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 14:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 14:44	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 14:44	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 14:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 14:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 14:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 14:44	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 14:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 14:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 14:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 14:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 14:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 14:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 14:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 14:44	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 14:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 14:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 14:44*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*02/22/12 14:44*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/22/12 14:44*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Weeks WACS# 914

Lab Sample ID: 660-46215-4

Date Collected: 02/20/12 10:29
Date Received: 02/20/12 15:30

Matrix: Water

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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		02/22/12 11:17	02/22/12 15:54	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/22/12 11:17	02/22/12 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*93*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/23/12 16:58	02/25/12 14:28	1
Arsenic	**4.1**		2.5	1.3	ug/L		02/23/12 16:58	02/25/12 14:28	1
Barium	**5.3**	V	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 14:28	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 14:28	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 14:28	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 14:28	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 14:28	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 14:28	1
Iron	**540**		100	33	ug/L		02/23/12 16:58	02/25/12 14:28	1
Lead	**0.74**	I	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 14:28	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 14:28	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 14:28	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 14:28	1
Sodium	**8.8**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 14:28	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 14:28	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 14:28	1
Zinc	**63**		20	8.3	ug/L		02/23/12 16:58	02/25/12 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		02/22/12 14:11	02/24/12 15:35	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39**		0.50	0.20	mg/L			03/04/12 16:25	1
Ammonia as N	**0.14**		0.020	0.010	mg/L			03/05/12 17:07	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:37	1
Total Dissolved Solids	**260**		10	10	mg/L			02/24/12 11:11	1
Total Suspended Solids	**2.0**		1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	**2.7**		1.0	0.35	mg/L			02/23/12 12:57	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.03**				SU			02/20/12 10:29	1
Field Temperature	**23.5**				Degrees C			02/20/12 10:29	1
Oxygen, Dissolved	**0.97**				mg/L			02/20/12 10:29	1
Specific Conductance	**562**				umhos/cm			02/20/12 10:29	1
Turbidity	**0.60**				NTU			02/20/12 10:29	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment Surface Site 46215

Lab Sample ID: 660-46215-5

Date Collected: 02/20/12 13:15
Matrix: Water
Date Received: 02/20/12 15:30

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 14:22	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 14:22	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 14:22	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 14:22	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 14:22	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 14:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:22	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 14:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 14:22	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 14:22	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 14:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:22	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 14:22	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 14:22	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 14:22	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 14:22	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 14:22	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 14:22	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 14:22	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 14:22	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 14:22	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 14:22	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 14:22	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 14:22	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 14:22	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 14:22	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:22	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 14:22	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 14:22	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 14:22	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 14:22	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 14:22	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 14:22	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 14:22	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 14:22	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 14:22	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 14:22	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 14:22	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 14:22	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 14:22	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 14:22	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 14:22	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 14:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 14:22	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 14:22*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*02/22/12 14:22*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/22/12 14:22*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment Surface Site 46215

Lab Sample ID: 660-46215-5

Date Collected: 02/20/12 13:15
Date Received: 02/20/12 15:30

Matrix: Water

6

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	0.0098	U	0.020	0.0098	ug/L		02/22/12 11:17	02/22/12 16:12	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		02/22/12 11:17	02/22/12 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*103*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/22/12 14:17	02/23/12 16:57	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/22/12 14:17	02/23/12 16:57	1
Barium	1.3	U	5.0	1.3	ug/L		02/22/12 14:17	02/23/12 16:57	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/22/12 14:17	02/23/12 16:57	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/22/12 14:17	02/23/12 16:57	1
Chromium	2.5	U	5.0	2.5	ug/L		02/22/12 14:17	02/23/12 16:57	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/22/12 14:17	02/23/12 16:57	1
Copper	1.1	U	5.0	1.1	ug/L		02/22/12 14:17	02/23/12 16:57	1
Iron	33	U	100	33	ug/L		02/22/12 14:17	02/23/12 16:57	1
Lead	0.20	U	1.5	0.20	ug/L		02/22/12 14:17	02/23/12 16:57	1
Nickel	2.0	U	5.0	2.0	ug/L		02/22/12 14:17	02/23/12 16:57	1
Selenium	1.0	U	2.5	1.0	ug/L		02/22/12 14:17	02/23/12 16:57	1
Silver	0.25	U	1.0	0.25	ug/L		02/22/12 14:17	02/23/12 16:57	1
Thallium	0.50	U	1.0	0.50	ug/L		02/22/12 14:17	02/23/12 16:57	1
Vanadium	3.8	U	10	3.8	ug/L		02/22/12 14:17	02/23/12 16:57	1
Zinc	8.3	U	20	8.3	ug/L		02/22/12 14:17	02/23/12 16:57	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:39	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	3.3	U	3.3	3.3	mg/L			02/23/12 16:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:38	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/21/12 15:38	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:38	1
Phosphorus, Total	0.10	U	0.30	0.10	mg/L		03/06/12 20:30	03/07/12 15:20	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/12 13:10	1
Chemical Oxygen Demand	10	U	20	10	mg/L		02/27/12 13:51	02/27/12 15:18	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/24/12 11:12	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/23/12 13:08	1
Nitrogen, Total	0.15	U	0.70	0.15	mg/L			03/08/12 07:36	1

Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a Uncorrected	ND	U	2.00	2.00	ug/L		02/21/12 11:26	02/24/12 08:47	1.00

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Surface Site 3C2 WACS# 838

Lab Sample ID: 660-46215-6

Date Collected: 02/20/12 13:20
Date Received: 02/20/12 15:30

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 15:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 15:07	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 15:07	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 15:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 15:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 15:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:07	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 15:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 15:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 15:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 15:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 15:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 15:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 15:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:07	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 15:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 15:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 15:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 15:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 15:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 15:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 15:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 15:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 15:07	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 15:07	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 15:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 15:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 15:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:07	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 15:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 15:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 15:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 15:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 15:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 15:07	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 15:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 15:07	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*02/22/12 15:07*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/22/12 15:07*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*02/22/12 15:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Surface Site 3C2 WACS# 838

Lab Sample ID: 660-46215-6

Date Collected: 02/20/12 13:20
Matrix: Water
Date Received: 02/20/12 15:30

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		02/22/12 11:17	02/22/12 16:30	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/22/12 11:17	02/22/12 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/22/12 14:17	02/23/12 17:05	1
Arsenic	**1.4**	I	2.5	1.3	ug/L		02/22/12 14:17	02/23/12 17:05	1
Barium	**5.8**		5.0	1.3	ug/L		02/22/12 14:17	02/23/12 17:05	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/22/12 14:17	02/23/12 17:05	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/22/12 14:17	02/23/12 17:05	1
Chromium	2.5	U	5.0	2.5	ug/L		02/22/12 14:17	02/23/12 17:05	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/22/12 14:17	02/23/12 17:05	1
Copper	1.1	U	5.0	1.1	ug/L		02/22/12 14:17	02/23/12 17:05	1
Iron	**390**		100	33	ug/L		02/22/12 14:17	02/23/12 17:05	1
Lead	0.20	U	1.5	0.20	ug/L		02/22/12 14:17	02/23/12 17:05	1
Nickel	2.0	U	5.0	2.0	ug/L		02/22/12 14:17	02/23/12 17:05	1
Selenium	1.0	U	2.5	1.0	ug/L		02/22/12 14:17	02/23/12 17:05	1
Silver	0.25	U	1.0	0.25	ug/L		02/22/12 14:17	02/23/12 17:05	1
Thallium	0.50	U	1.0	0.50	ug/L		02/22/12 14:17	02/23/12 17:05	1
Vanadium	**3.8**	I	10	3.8	ug/L		02/22/12 14:17	02/23/12 17:05	1
Zinc	8.3	U	20	8.3	ug/L		02/22/12 14:17	02/23/12 17:05	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:42	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**89**		3.3	3.3	mg/L			02/23/12 17:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:40	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/21/12 15:40	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:40	1
Phosphorus, Total	**0.89**		0.30	0.10	mg/L		03/06/12 20:30	03/07/12 15:21	1
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/12 13:10	1
Chemical Oxygen Demand	**32**		20	10	mg/L		02/27/12 13:51	02/27/12 15:18	1
Total Dissolved Solids	**130**		5.0	5.0	mg/L			02/24/12 11:13	1
Total Suspended Solids	**5.6**		1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	**14**		1.0	0.35	mg/L			02/23/12 13:23	1
Nitrogen, Total	**0.57**	I	0.70	0.15	mg/L			03/08/12 07:36	1
Unionized Ammonia as NH3	0.00014	U	0.00014	0.00014	mg/L			03/08/12 16:19	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	**200**		100	100	MPN/100mL			02/20/12 17:40	100

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Surface Site 3C2 WACS# 838

Lab Sample ID: 660-46215-6

Date Collected: 02/20/12 13:20
Date Received: 02/20/12 15:30

Matrix: Water

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.06				SU			02/20/12 13:20	1
Field Temperature	19.4				Degrees C			02/20/12 13:20	1
Oxygen, Dissolved	7.13				mg/L			02/20/12 13:20	1
Specific Conductance	241				umhos/cm			02/20/12 13:20	1
Turbidity	1.90				NTU			02/20/12 13:20	1

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Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a Uncorrected	3.90		2.00	2.00	ug/L		02/21/12 11:23	02/24/12 08:48	1.00

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Keen Jr. WACS# 28079

Lab Sample ID: 660-46215-7

Date Collected: 02/20/12 11:47
Date Received: 02/20/12 15:30

Matrix: Water

6

Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 15:29	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 15:29	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 15:29	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 15:29	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 15:29	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 15:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:29	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 15:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 15:29	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 15:29	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 15:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:29	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 15:29	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 15:29	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 15:29	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:29	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 15:29	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 15:29	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:29	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 15:29	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 15:29	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 15:29	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 15:29	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 15:29	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:29	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 15:29	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:29	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 15:29	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 15:29	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 15:29	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 15:29	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 15:29	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:29	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 15:29	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 15:29	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 15:29	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:29	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 15:29	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 15:29	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:29	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:29	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 15:29	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 15:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 15:29	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 15:29*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*02/22/12 15:29*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/22/12 15:29*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Keen Jr. WACS# 28079

Lab Sample ID: 660-46215-7

Date Collected: 02/20/12 11:47
Matrix: Water
Date Received: 02/20/12 15:30

6

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		02/22/12 11:17	02/22/12 16:47	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/22/12 11:17	02/22/12 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*101*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/23/12 16:58	02/25/12 14:36	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 14:36	1
Barium	**4.2**	**I V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 14:36	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 14:36	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 14:36	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 14:36	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 14:36	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 14:36	1
Iron	33	U	100	33	ug/L		02/23/12 16:58	02/25/12 14:36	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 14:36	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 14:36	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 14:36	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 14:36	1
Sodium	**7.4**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 14:36	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 14:36	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 14:36	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 14:36	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10**		0.50	0.20	mg/L			03/04/12 16:41	1
Ammonia as N	**0.18**		0.020	0.010	mg/L			03/05/12 15:52	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:41	1
Total Dissolved Solids	**170**		10	10	mg/L			02/24/12 11:14	1
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1
Total Organic Carbon	**1.5**		1.0	0.35	mg/L			02/23/12 13:35	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.61**				SU			02/20/12 11:47	1
Field Temperature	**24.7**				Degrees C			02/20/12 11:47	1
Oxygen, Dissolved	**0.14**				mg/L			02/20/12 11:47	1
Specific Conductance	**360**				umhos/cm			02/20/12 11:47	1
Turbidity	**0.40**				NTU			02/20/12 11:47	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Mine Cut #1D WACS# 834

Lab Sample ID: 660-46215-8

Date Collected: 02/20/12 14:15
Date Received: 02/20/12 15:30

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 15:52	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 15:52	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 15:52	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 15:52	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 15:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 15:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:52	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 15:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 15:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 15:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 15:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:52	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 15:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 15:52	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 15:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:52	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 15:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 15:52	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 15:52	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 15:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 15:52	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 15:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 15:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 15:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 15:52	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 15:52	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 15:52	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 15:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 15:52	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 15:52	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:52	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 15:52	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 15:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 15:52	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 15:52	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 15:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 15:52	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 15:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 15:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 15:52	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 15:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 15:52	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 15:52*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*02/22/12 15:52*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*02/22/12 15:52*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Mine Cut #1D WACS# 834

Lab Sample ID: 660-46215-8

Date Collected: 02/20/12 14:15
Matrix: Water
Date Received: 02/20/12 15:30

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		02/22/12 11:17	02/22/12 17:05	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/22/12 11:17	02/22/12 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*103*		*60 - 140*	*02/22/12 11:17*	*02/22/12 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		02/22/12 14:17	02/23/12 17:12	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/22/12 14:17	02/23/12 17:12	1
Barium	**6.3**		5.0	1.3	ug/L		02/22/12 14:17	02/23/12 17:12	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/22/12 14:17	02/23/12 17:12	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/22/12 14:17	02/23/12 17:12	1
Chromium	2.5	U	5.0	2.5	ug/L		02/22/12 14:17	02/23/12 17:12	1
Cobalt	**0.17**	I	0.50	0.15	ug/L		02/22/12 14:17	02/23/12 17:12	1
Copper	1.1	U	5.0	1.1	ug/L		02/22/12 14:17	02/23/12 17:12	1
Iron	**260**		100	33	ug/L		02/22/12 14:17	02/23/12 17:12	1
Lead	**0.22**	I	1.5	0.20	ug/L		02/22/12 14:17	02/23/12 17:12	1
Nickel	2.0	U	5.0	2.0	ug/L		02/22/12 14:17	02/23/12 17:12	1
Selenium	1.0	U	2.5	1.0	ug/L		02/22/12 14:17	02/23/12 17:12	1
Silver	0.25	U	1.0	0.25	ug/L		02/22/12 14:17	02/23/12 17:12	1
Thallium	0.50	U	1.0	0.50	ug/L		02/22/12 14:17	02/23/12 17:12	1
Vanadium	**4.4**	I	10	3.8	ug/L		02/22/12 14:17	02/23/12 17:12	1
Zinc	8.3	U	20	8.3	ug/L		02/22/12 14:17	02/23/12 17:12	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 15:49	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**140**		3.3	3.3	mg/L			02/23/12 17:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:42	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/21/12 15:42	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:42	1
Phosphorus, Total	**2.1**		0.30	0.10	mg/L		03/06/12 20:30	03/07/12 15:23	1
Biochemical Oxygen Demand	**21**		6.0	6.0	mg/L			02/22/12 13:10	1
Chemical Oxygen Demand	**100**		20	10	mg/L		02/27/12 13:51	02/27/12 15:18	1
Total Dissolved Solids	**310**		10	10	mg/L			02/24/12 11:14	1
Total Suspended Solids	**56**		3.5	3.5	mg/L			02/23/12 10:01	1
Total Organic Carbon	**22**		1.0	0.35	mg/L			02/23/12 13:52	1
Nitrogen, Total	**4.5**		0.70	0.15	mg/L			03/08/12 07:36	1
Unionized Ammonia as NH3	**0.00081**		0.00014	0.00014	mg/L			03/08/12 16:19	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	**400**		100	100	MPN/100mL			02/20/12 17:40	100

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Mine Cut #1D WACS# 834

Lab Sample ID: 660-46215-8

Date Collected: 02/20/12 14:15
Matrix: Water
Date Received: 02/20/12 15:30

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.14				SU			02/20/12 14:15	1
Field Temperature	19.2				Degrees C			02/20/12 14:15	1
Oxygen, Dissolved	6.25				mg/L			02/20/12 14:15	1
Specific Conductance	506				umhos/cm			02/20/12 14:15	1
Turbidity	23.0				NTU			02/20/12 14:15	1

Method: SM 10200H by E83012 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a Uncorrected	114		2.00	2.00	ug/L		02/21/12 15:36	02/24/12 08:51	1.00

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment NPDES 46215

Lab Sample ID: 660-46215-10

Date Collected: 02/20/12 13:35
Date Received: 02/20/12 15:30

Matrix: Water

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	50	U	200	50	ug/L		02/21/12 10:50	02/22/12 12:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1

6

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Travel 46215

Lab Sample ID: 660-46215-11

Date Collected: 02/20/12 09:30
Matrix: Water
Date Received: 02/20/12 15:30

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Method: 8260B - VOC

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 11:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 11:44	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 11:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 11:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 11:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 11:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 11:44	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 11:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 11:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 11:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 11:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 11:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 11:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 11:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 11:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 11:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 11:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 11:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 11:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 11:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 11:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 11:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 11:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 11:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 11:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 11:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 11:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 11:44	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 11:44	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 11:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 11:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 11:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 11:44	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 11:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 11:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 11:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 11:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 11:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 11:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 11:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 11:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 11:44	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/22/12 11:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 11:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*02/22/12 11:44*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/22/12 11:44*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/22/12 11:44*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-61A WACS# 22595

Lab Sample ID: 660-46229-1

Date Collected: 02/21/12 12:28
Date Received: 02/21/12 16:25

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 10:11	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 10:11	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 10:11	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 10:11	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 10:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 10:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:11	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 10:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 10:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 10:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 10:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 10:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 10:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 10:11	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 10:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 10:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 10:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 10:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 10:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 10:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 10:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 10:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 10:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 10:11	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 10:11	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 10:11	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 10:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 10:11	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 10:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 10:11	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 10:11	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 10:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 10:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 10:11	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 10:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 10:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 10:11	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:11	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 10:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 10:11	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 10:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 10:11	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/23/12 10:11*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*02/23/12 10:11*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/23/12 10:11*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-61A WACS# 22595

Lab Sample ID: 660-46229-1

Date Collected: 02/21/12 12:28
Matrix: Water
Date Received: 02/21/12 16:25

6

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 J3	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 14:54	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*87*		*60 - 140*	*02/28/12 11:01*	*02/28/12 14:54*	*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		02/23/12 16:58	02/25/12 11:22	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 11:22	1
Barium	**5.9**	**V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 11:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 11:22	1
Cadmium	**0.10**	**I**	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 11:22	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 11:22	1
Cobalt	**0.15**	**I**	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 11:22	1
Copper	**1.3**	**I**	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 11:22	1
Iron	**300**		100	33	ug/L		02/23/12 16:58	02/25/12 11:22	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 11:22	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 11:22	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 11:22	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 11:22	1
Sodium	**3.4**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 11:22	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 11:22	1
Vanadium	**28**		10	3.8	ug/L		02/23/12 16:58	02/25/12 11:22	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 11:22	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 12:58	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.40	mg/L			03/01/12 21:28	2
Ammonia as N	**0.46**		0.020	0.010	mg/L			03/05/12 15:31	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:22	1
Total Dissolved Solids	**110**		5.0	5.0	mg/L			02/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.71**				SU			02/21/12 12:28	1
Field Temperature	**24.9**				Degrees C			02/21/12 12:28	1
Oxygen, Dissolved	**1.45**				mg/L			02/21/12 12:28	1
Specific Conductance	**186**				umhos/cm			02/21/12 12:28	1
Turbidity	**5.40**				NTU			02/21/12 12:28	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-64 WACS# 20494

Lab Sample ID: 660-46229-2

Date Collected: 02/21/12 13:02
Date Received: 02/21/12 16:25

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 10:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 10:33	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 10:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 10:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 10:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 10:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:33	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 10:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 10:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 10:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 10:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 10:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 10:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 10:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 10:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 10:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 10:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 10:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 10:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 10:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 10:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 10:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 10:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 10:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 10:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 10:33	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 10:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 10:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 10:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 10:33	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 10:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 10:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 10:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 10:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 10:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 10:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 10:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 10:33	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 10:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 10:33	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/23/12 10:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 10:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*02/23/12 10:33*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*02/23/12 10:33*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*02/23/12 10:33*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-64 WACS# 20494

Lab Sample ID: 660-46229-2

Date Collected: 02/21/12 13:02
Date Received: 02/21/12 16:25

Matrix: 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		02/28/12 11:01	02/28/12 15:29	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*82*		*60 - 140*	*02/28/12 11:01*	*02/28/12 15:29*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 11:29	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 11:29	1
Barium	**22**	V	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 11:29	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 11:29	1
Cadmium	**0.16**	I	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 11:29	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 11:29	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 11:29	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 11:29	1
Iron	**800**		100	33	ug/L		02/23/12 16:58	02/25/12 11:29	1
Lead	**0.20**	I	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 11:29	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 11:29	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 11:29	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 11:29	1
Sodium	**8.9**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 11:29	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 11:29	1
Vanadium	**5.6**	I	10	3.8	ug/L		02/23/12 16:58	02/25/12 11:29	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 11:29	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		02/27/12 08:59	02/28/12 13:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		1.0	0.40	mg/L			03/01/12 21:44	2
Ammonia as N	**0.27**		0.020	0.010	mg/L			03/05/12 15:45	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:25	1
Total Dissolved Solids	**170**		5.0	5.0	mg/L			02/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.00**				SU			02/21/12 13:02	1
Field Temperature	**25.3**				Degrees C			02/21/12 13:02	1
Oxygen, Dissolved	**0.99**				mg/L			02/21/12 13:02	1
Specific Conductance	**280**				umhos/cm			02/21/12 13:02	1
Turbidity	**10.3**				NTU			02/21/12 13:02	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-36A WACS# 20329

Lab Sample ID: 660-46229-3

Date Collected: 02/21/12 14:33
Matrix: Water
Date Received: 02/21/12 16:25

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 13:18	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 13:18	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 13:18	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 13:18	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 13:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 13:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:18	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 13:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 13:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 13:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 13:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 13:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 13:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 13:18	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 13:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 13:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 13:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 13:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 13:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 13:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 13:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 13:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 13:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 13:18	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 13:18	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 13:18	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 13:18	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 13:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 13:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 13:18	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 13:18	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 13:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 13:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 13:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 13:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 13:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 13:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:18	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 13:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 13:18	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 13:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 13:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*02/23/12 13:18*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*02/23/12 13:18*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/23/12 13:18*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-36A WACS# 20329

Lab Sample ID: 660-46229-3

Date Collected: 02/21/12 14:33
Date Received: 02/21/12 16:25

Matrix: Water

6

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		02/28/12 11:01	02/28/12 16:05	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*83*		*60 - 140*	*02/28/12 11:01*	*02/28/12 16:05*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 11:36	1
Arsenic	**1.4**	**I**	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 11:36	1
Barium	**7.9**	**V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 11:36	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 11:36	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 11:36	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 11:36	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 11:36	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 11:36	1
Iron	**180**		100	33	ug/L		02/23/12 16:58	02/25/12 11:36	1
Lead	**0.51**	**I**	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 11:36	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 11:36	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 11:36	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 11:36	1
Sodium	**5.5**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 11:36	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 11:36	1
Vanadium	**14**		10	3.8	ug/L		02/23/12 16:58	02/25/12 11:36	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 11:36	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.9**		1.0	0.40	mg/L			03/01/12 22:01	2
Ammonia as N	**0.19**		0.020	0.010	mg/L			03/05/12 15:29	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:27	1
Total Dissolved Solids	**94**		5.0	5.0	mg/L			02/24/12 11:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.35**				SU			02/21/12 14:33	1
Field Temperature	**25.1**				Degrees C			02/21/12 14:33	1
Oxygen, Dissolved	**0.43**				mg/L			02/21/12 14:33	1
Specific Conductance	**153**				umhos/cm			02/21/12 14:33	1
Turbidity	**17.9**				NTU			02/21/12 14:33	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-68 WACS# 22039
Date Collected: 02/21/12 13:33
Date Received: 02/21/12 16:25

Lab Sample ID: 660-46229-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 13:41	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 13:41	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 13:41	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 13:41	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 13:41	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 13:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:41	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 13:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 13:41	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 13:41	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 13:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:41	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 13:41	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 13:41	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 13:41	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 13:41	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 13:41	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 13:41	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 13:41	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 13:41	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 13:41	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 13:41	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 13:41	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 13:41	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 13:41	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:41	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 13:41	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 13:41	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 13:41	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 13:41	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 13:41	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 13:41	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 13:41	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 13:41	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 13:41	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 13:41	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 13:41	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 13:41	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 13:41	1
Trichloroflucromethane	2.5	U	5.0	2.5	ug/L			02/23/12 13:41	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 13:41	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 13:41	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 13:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 13:41	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*02/23/12 13:41*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*02/23/12 13:41*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*02/23/12 13:41*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-68 WACS# 22039

Lab Sample ID: 660-46229-4

Date Collected: 02/21/12 13:33
Date Received: 02/21/12 16:25

Matrix: Water

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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		02/28/12 11:01	02/28/12 16:22	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/28/12 11:01	02/28/12 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*81*		*60 - 140*	*02/28/12 11:01*	*02/28/12 16:22*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 11:44	1
Arsenic	**4.7**		2.5	1.3	ug/L		02/23/12 16:58	02/25/12 11:44	1
Barium	**51**	V	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 11:44	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 11:44	1
Cadmium	**0.81**		0.50	0.095	ug/L		02/23/12 16:58	02/25/12 11:44	1
Chromium	**12**		5.0	2.5	ug/L		02/23/12 16:58	02/25/12 11:44	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 11:44	1
Copper	**8.4**		5.0	1.1	ug/L		02/23/12 16:58	02/25/12 11:44	1
Iron	**4200**		100	33	ug/L		02/23/12 16:58	02/25/12 11:44	1
Lead	**5.1**		1.5	0.20	ug/L		02/23/12 16:58	02/25/12 11:44	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 11:44	1
Selenium	**2.9**		2.5	1.0	ug/L		02/23/12 16:58	02/25/12 11:44	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 11:44	1
Sodium	**7.9**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 11:44	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 11:44	1
Vanadium	**13**		10	3.8	ug/L		02/23/12 16:58	02/25/12 11:44	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 11:44	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.34**		0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		1.0	0.40	mg/L			03/01/12 22:17	2
Ammonia as N	**0.12**		0.020	0.010	mg/L			03/05/12 15:28	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:28	1
Total Dissolved Solids	**180**		5.0	5.0	mg/L			02/24/12 11:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.51**				SU			02/21/12 13:33	1
Field Temperature	**25.8**				Degrees C			02/21/12 13:33	1
Oxygen, Dissolved	**1.62**				mg/L			02/21/12 13:33	1
Specific Conductance	**250**				umhos/cm			02/21/12 13:33	1
Turbidity	**86.0**				NTU			02/21/12 13:33	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-19 WACS# 821

Lab Sample ID: 660-46229-5

Date Collected: 02/21/12 15:02
Matrix: Water
Date Received: 02/21/12 16:25

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 09:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 09:26	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 09:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 09:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 09:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 09:26	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:26	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 09:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 09:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 09:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 09:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 09:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 09:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 09:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 09:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 09:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 09:26	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 09:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 09:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 09:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 09:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 09:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 09:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 09:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 09:26	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 09:26	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 09:26	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 09:26	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 09:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 09:26	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 09:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 09:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 09:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 09:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 09:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 09:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 09:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:26	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 09:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 09:26	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 09:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 09:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 09:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*02/24/12 09:26*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*02/24/12 09:26*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*02/24/12 09:26*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-19 WACS# 821

Lab Sample ID: 660-46229-5

Date Collected: 02/21/12 15:02
Date Received: 02/21/12 16:25

Matrix: 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		02/28/12 11:01	02/28/12 16:40	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		02/28/12 11:01	02/28/12 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*88*		*60 - 140*	*02/28/12 11:01*	*02/28/12 16:40*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 12:29	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 12:29	1
Barium	**5.6**	**V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 12:29	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 12:29	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 12:29	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 12:29	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 12:29	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 12:29	1
Iron	**59**	**I**	100	33	ug/L		02/23/12 16:58	02/25/12 12:29	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 12:29	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 12:29	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 12:29	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 12:29	1
Sodium	**14**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 12:29	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 12:29	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 12:29	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 12:29	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		02/27/12 08:59	02/28/12 13:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.3**		1.0	0.40	mg/L			03/01/12 22:34	2
Ammonia as N	**0.24**		0.020	0.010	mg/L			03/05/12 15:44	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:29	1
Total Dissolved Solids	**210**		10	10	mg/L			02/24/12 11:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.67**				SU			02/21/12 15:02	1
Field Temperature	**23.4**				Degrees C			02/21/12 15:02	1
Oxygen, Dissolved	**0.44**				mg/L			02/21/12 15:02	1
Specific Conductance	**395**				umhos/cm			02/21/12 15:02	1
Turbidity	**0.40**				NTU			02/21/12 15:02	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-22A WACS# 19861

Lab Sample ID: 660-46229-6

Date Collected: 02/21/12 10:19
Date Received: 02/21/12 16:25

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 09:46	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 09:46	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 09:46	1
Bromochloromethane	0.58	U J3	1.0	0.58	ug/L			02/24/12 09:46	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 09:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 09:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:46	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 09:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 09:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 09:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 09:46	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			02/24/12 09:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 09:46	1
cis-1,2-Dichloroethene	0.65	U J3	1.0	0.65	ug/L			02/24/12 09:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 09:46	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 09:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 09:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 09:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 09:46	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 09:46	1
1,2-Dichloroethane	0.57	U J3	1.0	0.57	ug/L			02/24/12 09:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 09:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 09:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 09:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 09:46	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 09:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 09:46	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 09:46	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 09:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 09:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 09:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 09:46	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 09:46	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 09:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 09:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 09:46	1
1,1,1-Trichloroethane	0.46	U J3	1.0	0.46	ug/L			02/24/12 09:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 09:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 09:46	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			02/24/12 09:46	1
Trichloromethane	0.90	U J3	1.0	0.90	ug/L			02/24/12 09:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 09:46	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 09:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 09:46	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*02/24/12 09:46*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*02/24/12 09:46*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*02/24/12 09:46*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-22A WACS# 19861

Lab Sample ID: 660-46229-6

Date Collected: 02/21/12 10:19

Matrix: Water

Date Received: 02/21/12 16:25

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		02/28/12 11:01	02/28/12 16:58	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/28/12 11:01	02/28/12 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*86*		*60 - 140*	*02/28/12 11:01*	*02/28/12 16:58*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 12:36	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 12:36	1
Barium	**42**	V	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 12:36	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 12:36	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 12:36	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 12:36	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 12:36	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 12:36	1
Iron	**370**		100	33	ug/L		02/23/12 16:58	02/25/12 12:36	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 12:36	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 12:36	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 12:36	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 12:36	1
Sodium	**3.9**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 12:36	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 12:36	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 12:36	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 12:36	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		1.0	0.40	mg/L			03/01/12 22:50	2
Ammonia as N	**0.44**		0.020	0.010	mg/L			03/05/12 15:36	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:30	1
Total Dissolved Solids	**120**		5.0	5.0	mg/L			02/24/12 11:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.22**				SU			02/21/12 10:19	1
Field Temperature	**21.1**				Degrees C			02/21/12 10:19	1
Oxygen, Dissolved	**0.36**				mg/L			02/21/12 10:19	1
Specific Conductance	**228**				umhos/cm			02/21/12 10:19	1
Turbidity	**1.40**				NTU			02/21/12 10:19	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment 46229

Lab Sample ID: 660-46229-7

Date Collected: 02/21/12 09:30
Matrix: Water
Date Received: 02/21/12 16:25

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 12:11	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 12:11	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 12:11	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 12:11	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 12:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 12:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:11	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 12:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 12:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 12:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 12:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 12:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 12:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 12:11	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 12:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 12:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 12:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 12:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 12:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 12:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 12:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 12:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 12:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 12:11	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 12:11	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 12:11	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 12:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 12:11	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 12:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 12:11	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 12:11	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 12:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 12:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 12:11	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 12:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 12:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 12:11	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:11	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 12:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 12:11	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 12:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 12:11	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*02/23/12 12:11*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/23/12 12:11*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/23/12 12:11*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment 46229

Lab Sample ID: 660-46229-7

Date Collected: 02/21/12 09:30
Matrix: Water
Date Received: 02/21/12 16:25

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		02/28/12 11:01	02/28/12 17:16	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*100*		*60 - 140*	*02/28/12 11:01*	*02/28/12 17:16*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 12:44	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 12:44	1
Barium	1.3	U	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 12:44	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 12:44	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 12:44	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 12:44	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 12:44	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 12:44	1
Iron	33	U	100	33	ug/L		02/23/12 16:58	02/25/12 12:44	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 12:44	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 12:44	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 12:44	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 12:44	1
Sodium	**0.48**	I	0.50	0.25	mg/L		02/23/12 16:58	02/25/12 12:44	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 12:44	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 12:44	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 12:44	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/01/12 23:07	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			03/05/12 15:47	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:31	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/24/12 11:19	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-67 WACS# 20532

Lab Sample ID: 660-46229-8

Date Collected: 02/21/12 10:51
Date Received: 02/21/12 16:25

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 11:10	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 11:10	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 11:10	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 11:10	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 11:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 11:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:10	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 11:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 11:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 11:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 11:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 11:10	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 11:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:10	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 11:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 11:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 11:10	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 11:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 11:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 11:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 11:10	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 11:10	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 11:10	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 11:10	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 11:10	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 11:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 11:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:10	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 11:10	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 11:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 11:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 11:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 11:10	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:10	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 11:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 11:10	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 11:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 11:10	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*02/24/12 11:10*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*02/24/12 11:10*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*02/24/12 11:10*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-67 WACS# 20532

Lab Sample ID: 660-46229-8

Date Collected: 02/21/12 10:51
Matrix: Water
Date Received: 02/21/12 16:25

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		02/28/12 11:01	02/28/12 17:33	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*101*		*60 - 140*	*02/28/12 11:01*	*02/28/12 17:33*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 12:51	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 12:51	1
Barium	**4.6**	**I V**	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 12:51	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 12:51	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 12:51	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 12:51	1
Cobalt	**0.48**	**I**	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 12:51	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 12:51	1
Iron	**7200**		100	33	ug/L		02/23/12 16:58	02/25/12 12:51	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 12:51	1
Nickel	**3.4**	**I**	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 12:51	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 12:51	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 12:51	1
Sodium	**29**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 12:51	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 12:51	1
Vanadium	**7.1**	**I**	10	3.8	ug/L		02/23/12 16:58	02/25/12 12:51	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 12:51	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39**		1.0	0.40	mg/L			03/01/12 23:23	2
Ammonia as N	**1.5**		0.020	0.010	mg/L			03/05/12 15:43	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:33	1
Total Dissolved Solids	**280**		10	10	mg/L			02/24/12 11:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.29**				SU			02/21/12 10:51	1
Field Temperature	**22.7**				Degrees C			02/21/12 10:51	1
Oxygen, Dissolved	**0.80**				mg/L			02/21/12 10:51	1
Specific Conductance	**597**				umhos/cm			02/21/12 10:51	1
Turbidity	**11.5**				NTU			02/21/12 10:51	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-65 WACS# 20530

Lab Sample ID: 660-46229-9

Date Collected: 02/21/12 11:51
Date Received: 02/21/12 16:25

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 11:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 11:33	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 11:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 11:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 11:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 11:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:33	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 11:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 11:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 11:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 11:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 11:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 11:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 11:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 11:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 11:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 11:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 11:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 11:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 11:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 11:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 11:33	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 11:33	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 11:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 11:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 11:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:33	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 11:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 11:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 11:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 11:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 11:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:33	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 11:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 11:33	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 11:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 11:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*02/24/12 11:33*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*02/24/12 11:33*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*02/24/12 11:33*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-65 WACS# 20530

Lab Sample ID: 660-46229-9

Date Collected: 02/21/12 11:51
Date Received: 02/21/12 16:25

Matrix: Water

6

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		02/28/12 11:01	02/28/12 17:51	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*102*		*60 - 140*	*02/28/12 11:01*	*02/28/12 17:51*	*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		02/23/12 16:58	02/25/12 12:59	1
Arsenic	**2.8**		2.5	1.3	ug/L		02/23/12 16:58	02/25/12 12:59	1
Barium	1.3	U	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 12:59	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 12:59	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 12:59	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 12:59	1
Cobalt	**0.77**		0.50	0.15	ug/L		02/23/12 16:58	02/25/12 12:59	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 12:59	1
Iron	**2400**		100	33	ug/L		02/23/12 16:58	02/25/12 12:59	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 12:59	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 12:59	1
Selenium	**1.2**	I	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 12:59	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 12:59	1
Sodium	**13**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 12:59	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 12:59	1
Vanadium	**6.4**	I	10	3.8	ug/L		02/23/12 16:58	02/25/12 12:59	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 12:59	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		02/27/12 08:59	02/28/12 13:31	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		1.0	0.40	mg/L			03/01/12 23:40	2
Ammonia as N	**1.3**		0.020	0.010	mg/L			03/05/12 15:34	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:34	1
Total Dissolved Solids	**140**		5.0	5.0	mg/L			02/24/12 11:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.29**				SU			02/21/12 11:51	1
Field Temperature	**24.1**				Degrees C			02/21/12 11:51	1
Oxygen, Dissolved	**0.43**				mg/L			02/21/12 11:51	1
Specific Conductance	**269**				umhos/cm			02/21/12 11:51	1
Turbidity	**2.50**				NTU			02/21/12 11:51	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Duplicate 1 46229

Lab Sample ID: 660-46229-10

Date Collected: 02/21/12 00:00
Matrix: Water
Date Received: 02/21/12 16:25

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 11:53	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 11:53	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 11:53	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 11:53	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 11:53	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 11:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:53	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 11:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 11:53	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 11:53	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 11:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:53	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 11:53	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 11:53	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:53	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 11:53	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 11:53	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:53	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 11:53	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 11:53	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 11:53	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 11:53	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 11:53	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 11:53	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 11:53	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:53	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 11:53	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 11:53	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 11:53	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 11:53	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 11:53	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:53	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 11:53	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 11:53	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 11:53	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 11:53	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 11:53	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 11:53	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 11:53	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 11:53	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 11:53	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 11:53	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 11:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 11:53	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*02/24/12 11:53*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*02/24/12 11:53*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*02/24/12 11:53*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Duplicate 1 46229

Lab Sample ID: 660-46229-10

Date Collected: 02/21/12 00:00
Matrix: Water
Date Received: 02/21/12 16:25

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		02/28/12 11:01	02/28/12 18:09	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*103*		*60 - 140*	*02/28/12 11:01*	*02/28/12 18:09*	*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		02/23/12 16:58	02/25/12 13:06	1
Arsenic	**2.7**		2.5	1.3	ug/L		02/23/12 16:58	02/25/12 13:06	1
Barium	1.3	U	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 13:06	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 13:06	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 13:06	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 13:06	1
Cobalt	**0.75**		0.50	0.15	ug/L		02/23/12 16:58	02/25/12 13:06	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 13:06	1
Iron	**2300**		100	33	ug/L		02/23/12 16:58	02/25/12 13:06	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 13:06	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 13:06	1
Selenium	**1.1**	I	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 13:06	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 13:06	1
Sodium	**13**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 13:06	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 13:06	1
Vanadium	**6.2**	I	10	3.8	ug/L		02/23/12 16:58	02/25/12 13:06	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 13:06	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		1.0	0.40	mg/L			03/02/12 11:47	2
Ammonia as N	**1.3**		0.020	0.010	mg/L			03/05/12 15:33	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:35	1
Total Dissolved Solids	**130**		5.0	5.0	mg/L			02/24/12 11:20	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-66A WACS# 22961

Lab Sample ID: 660-46229-11

Date Collected: 02/21/12 11:21
Date Received: 02/21/12 16:25

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 12:16	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 12:16	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 12:16	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 12:16	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 12:16	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 12:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 12:16	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 12:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 12:16	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 12:16	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 12:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 12:16	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 12:16	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 12:16	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 12:16	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 12:16	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 12:16	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 12:16	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 12:16	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 12:16	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 12:16	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 12:16	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 12:16	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 12:16	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 12:16	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 12:16	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 12:16	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 12:16	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 12:16	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 12:16	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 12:16	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 12:16	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 12:16	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 12:16	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 12:16	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 12:16	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 12:16	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 12:16	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 12:16	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 12:16	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 12:16	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 12:16	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			02/24/12 12:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 12:16	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*02/24/12 12:16*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*02/24/12 12:16*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*02/24/12 12:16*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-66A WACS# 22961

Lab Sample ID: 660-46229-11

Date Collected: 02/21/12 11:21
Matrix: Water
Date Received: 02/21/12 16:25

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		02/28/12 11:01	02/28/12 19:03	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		02/28/12 11:01	02/28/12 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*60 - 140*	*02/28/12 11:01*	*02/28/12 19:03*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 13:58	1
Arsenic	**3.3**		2.5	1.3	ug/L		02/23/12 16:58	02/25/12 13:58	1
Barium	**3.0**	I V	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 13:58	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 13:58	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 13:58	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 13:58	1
Cobalt	**0.69**		0.50	0.15	ug/L		02/23/12 16:58	02/25/12 13:58	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 13:58	1
Iron	**570**		100	33	ug/L		02/23/12 16:58	02/25/12 13:58	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 13:58	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 13:58	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 13:58	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 13:58	1
Sodium	**11**		0.50	0.25	mg/L		02/23/12 16:58	02/25/12 13:58	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 13:58	1
Vanadium	**24**		10	3.8	ug/L		02/23/12 16:58	02/25/12 13:58	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 13:58	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 13:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46**		1.0	0.40	mg/L			03/02/12 12:04	2
Ammonia as N	**0.33**		0.020	0.010	mg/L			03/05/12 15:32	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:39	1
Total Dissolved Solids	**160**		10	10	mg/L			02/24/12 11:21	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.04**				SU			02/21/12 11:21	1
Field Temperature	**23.2**				Degrees C			02/21/12 11:21	1
Oxygen, Dissolved	**1.31**				mg/L			02/21/12 11:21	1
Specific Conductance	**356**				umhos/cm			02/21/12 11:21	1
Turbidity	**1.70**				NTU			02/21/12 11:21	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Travel 46229

Lab Sample ID: 660-46229-12

Date Collected: 02/21/12 00:00
Matrix: Water
Date Received: 02/21/12 16:25

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 12:34	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 12:34	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 12:34	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 12:34	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 12:34	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 12:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:34	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 12:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 12:34	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 12:34	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 12:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:34	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 12:34	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 12:34	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 12:34	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 12:34	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 12:34	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 12:34	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 12:34	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 12:34	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 12:34	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 12:34	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 12:34	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 12:34	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 12:34	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:34	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 12:34	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 12:34	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 12:34	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 12:34	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 12:34	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 12:34	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 12:34	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 12:34	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 12:34	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 12:34	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 12:34	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 12:34	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 12:34	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 12:34	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 12:34	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 12:34	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 12:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 12:34	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*02/23/12 12:34*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*02/23/12 12:34*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/23/12 12:34*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 19:31	1
Acetonitrile	20	U	20	20	ug/L			02/23/12 19:31	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/23/12 19:31	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 19:31	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
Benzene	**21**		1.0	0.50	ug/L			02/23/12 19:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 19:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 19:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/23/12 19:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 19:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 19:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 19:31	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/23/12 19:31	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/23/12 19:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/23/12 19:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 19:31	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 19:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 19:31	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 19:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 19:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 19:31	1
1,2-Dichloropropane	**0.72**	**I**	1.0	0.52	ug/L			02/23/12 19:31	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/23/12 19:31	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/23/12 19:31	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/23/12 19:31	1
Ethylbenzene	**10**		1.0	0.44	ug/L			02/23/12 19:31	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 19:31	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
Isobutyl alcohol	31	U	200	31	ug/L			02/23/12 19:31	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/23/12 19:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 19:31	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/23/12 19:31	1
Propionitrile	7.2	U	100	7.2	ug/L			02/23/12 19:31	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 19:31	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 19:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 19:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:31	1
Toluene	**4.0**		1.0	0.51	ug/L			02/23/12 19:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 19:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 19:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 19:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 19:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:31	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 19:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 19:31	1
Vinyl chloride	**3.2**		1.0	0.50	ug/L			02/23/12 19:31	1
Xylenes, Total	**22**		3.0	0.50	ug/L			02/23/12 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*02/23/12 19:31*	*1*
Dibromofluoromethane	*93*		*70 - 130*		*02/23/12 19:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/23/12 19:31*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 14:44	1
Acenaphthylene	0.24	U	0.96	0.24	ug/L		02/23/12 12:28	02/24/12 14:44	1
Anthracene	0.073	U	0.19	0.073	ug/L		02/23/12 12:28	02/24/12 14:44	1
Benzo[a]anthracene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 14:44	1
Benzo[a]pyrene	0.055	U	0.19	0.055	ug/L		02/23/12 12:28	02/24/12 14:44	1
Benzo[b]fluoranthene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 14:44	1
Benzo[g,h,i]perylene	0.096	U	0.48	0.096	ug/L		02/23/12 12:28	02/24/12 14:44	1
Benzo[k]fluoranthene	0.055	U	0.19	0.055	ug/L		02/23/12 12:28	02/24/12 14:44	1
Chrysene	0.066	U	0.19	0.066	ug/L		02/23/12 12:28	02/24/12 14:44	1
Dibenz(a,h)anthracene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 14:44	1
Fluoranthene	0.052	U	0.48	0.052	ug/L		02/23/12 12:28	02/24/12 14:44	1
Fluorene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 14:44	1
Indeno[1,2,3-cd]pyrene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 14:44	1
1-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 14:44	1
2-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 14:44	1
Naphthalene	**4.4**		1.9	0.24	ug/L		02/23/12 12:28	02/24/12 14:44	1
Phenanthrene	0.19	U	0.48	0.19	ug/L		02/23/12 12:28	02/24/12 14:44	1
Pyrene	0.085	U	0.48	0.085	ug/L		02/23/12 12:28	02/24/12 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*42*		*30 - 130*	*02/23/12 12:28*	*02/24/12 14:44*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.4	U	9.5	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Acetylaminofluorene	0.73	U	9.5	0.73	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Aminobiphenyl	0.77	U	9.5	0.77	ug/L		02/23/12 12:26	02/27/12 16:06	1
Benzyl alcohol	2.8	U	9.5	2.8	ug/L		02/23/12 12:26	02/27/12 16:06	1
Bis(2-chloroethoxy)methane	1.9	U	9.5	1.9	ug/L		02/23/12 12:26	02/27/12 16:06	1
Bis(2-chloroethyl)ether	2.5	U	9.5	2.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
bis(2 chloro-1-methylethyl) ether	2.0	U	9.5	2.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
Bis(2-ethylhexyl) phthalate	1.2	U	5.7	1.2	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Bromophenyl phenyl ether	1.6	U	9.5	1.6	ug/L		02/23/12 12:26	02/27/12 16:06	1
Butyl benzyl phthalate	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Chloroaniline	2.0	U J3	19	2.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Chloro-3-methylphenol	1.6	U	9.5	1.6	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Chloronaphthalene	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Chlorophenol	2.0	U	9.5	2.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Chlorophenyl phenyl ether	1.7	U	9.5	1.7	ug/L		02/23/12 12:26	02/27/12 16:06	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diallate	1.3	U	9.5	1.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
Dibenzofuran	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,2-Dichlorobenzene	1.0	U	9.5	1.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,3-Dichlorobenzene	1.0	U	9.5	1.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,4-Dichlorobenzene	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
3,3'-Dichlorobenzidine	1.5	U	19	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4-Dichlorophenol	1.7	U	9.5	1.7	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,6-Dichlorophenol	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
Diethyl phthalate	2.4	U	9.5	2.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
7,12-Dimethylbenz(a)anthracene	0.88	U	9.5	0.88	ug/L		02/23/12 12:26	02/27/12 16:06	1
3,3'-Dimethylbenzidine	13	U J3	19	13	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4-Dimethylphenol	1.7	U J3	9.5	1.7	ug/L		02/23/12 12:26	02/27/12 16:06	1
Dimethyl phthalate	2.4	U	9.5	2.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
Di-n-butyl phthalate	2.4	U	9.5	2.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,3-Dinitrobenzene	0.94	U	9.5	0.94	ug/L		02/23/12 12:26	02/27/12 16:06	1
4,6-Dinitro-2-methylphenol	1.4	U	48	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4-Dinitrophenol	5.9	U	48	5.9	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4-Dinitrotoluene	0.87	U	9.5	0.87	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,6-Dinitrotoluene	0.69	U	9.5	0.69	ug/L		02/23/12 12:26	02/27/12 16:06	1
Di-n-octyl phthalate	2.4	U	9.5	2.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
Ethyl methanesulfonate	1.2	U	9.5	1.2	ug/L		02/23/12 12:26	02/27/12 16:06	1
Hexachlorobenzene	1.6	U	3.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:06	1
Hexachlorobutadiene	0.95	U	9.5	0.95	ug/L		02/23/12 12:26	02/27/12 16:06	1
Hexachlorocyclopentadiene	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
Hexachloroethane	0.81	U J3	9.5	0.81	ug/L		02/23/12 12:26	02/27/12 16:06	1
Hexachloropropene	0.63	U	9.5	0.63	ug/L		02/23/12 12:26	02/27/12 16:06	1
Isophorone	1.3	U	9.5	1.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
Isosafrole	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
Methapyrilene	1.0	U	1900	1.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
3-Methylcholanthrene	0.53	U	9.5	0.53	ug/L		02/23/12 12:26	02/27/12 16:06	1
Methyl methanesulfonate	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Methylphenol	2.2	U	9.5	2.2	ug/L		02/23/12 12:26	02/27/12 16:06	1
3 & 4 Methylphenol	2.3	U J3	9.5	2.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,4-Naphthoquinone	1.0	U	9.5	1.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
1-Naphthylamine	0.80	U	9.5	0.80	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Naphthylamine	**11**		9.5	0.95	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Nitroaniline	1.3	U	48	1.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
3-Nitroaniline	1.1	U	48	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Nitroaniline	1.3	U	48	1.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
Nitrobenzene	1.8	U	9.5	1.8	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Nitrophenol	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
4-Nitrophenol	5.9	U	48	5.9	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitro-o-toluidine	0.86	U	9.5	0.86	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosodiethylamine	1.4	U	9.5	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosodimethylamine	2.3	U	9.5	2.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosodi-n-butylamine	1.4	U	9.5	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosodi-n-propylamine	1.8	U	9.5	1.8	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosodiphenylamine	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosomethylethylamine	1.5	U	9.5	1.5	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosopiperidine	0.83	U	9.5	0.83	ug/L		02/23/12 12:26	02/27/12 16:06	1
N-Nitrosopyrrolidine	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	1.7	U	9.5	1.7	ug/L		02/23/12 12:26	02/27/12 16:06	1
p-Dimethylamino azobenzene	0.64	U	9.5	0.64	ug/L		02/23/12 12:26	02/27/12 16:06	1
Pentachlorobenzene	0.94	U	9.5	0.94	ug/L		02/23/12 12:26	02/27/12 16:06	1
Pentachloronitrobenzene	1.4	U	9.5	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
Pentachlorophenol	1.4	U	14	1.4	ug/L		02/23/12 12:26	02/27/12 16:06	1
Phenacetin	0.80	U	9.5	0.80	ug/L		02/23/12 12:26	02/27/12 16:06	1
Phenol	2.3	U	3.8	2.3	ug/L		02/23/12 12:26	02/27/12 16:06	1
p-Phenylene diamine	3.0	U J3	1900	3.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
Pronamide	0.67	U	9.5	0.67	ug/L		02/23/12 12:26	02/27/12 16:06	1
Safrole, Total	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,2,4,5-Tetrachlorobenzene	1.0	U	9.5	1.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,3,4,6-Tetrachlorophenol	0.62	U	9.5	0.62	ug/L		02/23/12 12:26	02/27/12 16:06	1
2-Toluidine	**32**		9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,2,4-Trichlorobenzene	1.1	U	9.5	1.1	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4,5-Trichlorophenol	2.0	U	9.5	2.0	ug/L		02/23/12 12:26	02/27/12 16:06	1
2,4,6-Trichlorophenol	1.8	U	9.5	1.8	ug/L		02/23/12 12:26	02/27/12 16:06	1
1,3,5-Trinitrobenzene	0.58	U	9.5	0.58	ug/L		02/23/12 12:26	02/27/12 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*36 - 124*	*02/23/12 12:26*	*02/27/12 16:06*	*1*
2-Fluorophenol	*0*	*J1*	*29 - 121*	*02/23/12 12:26*	*02/27/12 16:06*	*1*
Nitrobenzene-d5	*4*	*J1*	*34 - 130*	*02/23/12 12:26*	*02/27/12 16:06*	*1*
Phenol-d6 (Surr)	*0*	*J1*	*25 - 128*	*02/23/12 12:26*	*02/27/12 16:06*	*1*
Terphenyl-d14	*31*		*14 - 148*	*02/23/12 12:26*	*02/27/12 16:06*	*1*
2,4,6-Tribromophenol	*0.4*	*J1*	*29 - 143*	*02/23/12 12:26*	*02/27/12 16:06*	*1*

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 J3	0.020	0.010	ug/L		02/27/12 10:10	02/27/12 14:35	1
Ethylene Dibromide	0.010	U J3	0.020	0.010	ug/L		02/27/12 10:10	02/27/12 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*76*		*60 - 140*	*02/27/12 10:10*	*02/27/12 14:35*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		02/28/12 06:56	02/28/12 14:15	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		02/28/12 06:56	02/28/12 14:15	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		02/28/12 06:56	02/28/12 14:15	1
Chlordane (technical)	0.056	U	0.50	0.056	ug/L		02/28/12 06:56	02/28/12 14:15	1
Chlorobenzilate	0.074	U	0.50	0.074	ug/L		02/28/12 06:56	02/28/12 14:15	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		02/28/12 06:56	02/28/12 14:15	1
4,4'-DDE	0.0054	U	0.050	0.0054	ug/L		02/28/12 06:56	02/28/12 14:15	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		02/28/12 06:56	02/28/12 14:15	1
delta-BHC	**0.014**	**I**	0.050	0.0028	ug/L		02/28/12 06:56	02/28/12 14:15	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		02/28/12 06:56	02/28/12 14:15	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		02/28/12 06:56	02/28/12 14:15	1
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		02/28/12 06:56	02/28/12 14:15	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		02/28/12 06:56	02/28/12 14:15	1
Endrin	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 14:15	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		02/28/12 06:56	02/28/12 14:15	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		02/28/12 06:56	02/28/12 14:15	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1
Matrix: Water

Date Collected: 02/22/12 15:05
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 14:15	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 14:15	1
Isodrin	0.0060	U	0.050	0.0060	ug/L		02/28/12 06:56	02/28/12 14:15	1
Methoxychlor	0.0050	U	0.050	0.0050	ug/L		02/28/12 06:56	02/28/12 14:15	1
Toxaphene	0.71	U	5.0	0.71	ug/L		02/28/12 06:56	02/28/12 14:15	1
Kepone	0.082	U J3	0.50	0.082	ug/L		02/28/12 06:56	02/28/12 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	25	J1	30 - 150	02/28/12 06:56	02/28/12 14:15	1
Tetrachloro-m-xylene	58		30 - 150	02/28/12 06:56	02/28/12 14:15	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.50	0.26	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1221	0.15	U	0.50	0.15	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1232	0.38	U	0.50	0.38	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1242	0.23	U	0.50	0.23	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1248	0.13	U	0.50	0.13	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1254	0.12	U	0.50	0.12	ug/L		02/28/12 06:56	02/29/12 10:01	1
PCB-1260	0.32	U	0.50	0.32	ug/L		02/28/12 06:56	02/29/12 10:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	19	J1	30 - 150	02/28/12 06:56	02/29/12 10:01	1
Tetrachloro-m-xylene	56		30 - 150	02/28/12 06:56	02/29/12 10:01	1

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/27/12 12:23	03/02/12 14:34	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/27/12 12:23	03/02/12 14:34	1
Famphur	0.11	U	2.0	0.11	ug/L		02/27/12 12:23	03/02/12 14:34	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/27/12 12:23	03/02/12 14:34	1
Parathion	0.080	U	1.0	0.080	ug/L		02/27/12 12:23	03/02/12 14:34	1
Phorate	0.16	U	1.0	0.16	ug/L		02/27/12 12:23	03/02/12 14:34	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/27/12 12:23	03/02/12 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		37 - 139	02/27/12 12:23	03/02/12 14:34	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.062	U	0.50	0.062	ug/L		02/27/12 08:19	02/29/12 04:00	1
2,4-D	0.037	U	0.50	0.037	ug/L		02/27/12 08:19	02/29/12 04:00	1
Dinoseb	0.16	U	6.0	0.16	ug/L		02/27/12 08:19	02/29/12 04:00	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		02/27/12 08:19	02/29/12 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	851	L J1	52 - 151	02/27/12 08:19	02/29/12 04:00	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9.2	U	20	9.2	ug/L		02/27/12 11:05	02/28/12 16:32	4
Arsenic	**12**		10	5.2	ug/L		02/27/12 11:05	02/28/12 16:32	4
Barium	**620**		20	5.2	ug/L		02/27/12 11:05	02/28/12 16:32	4

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05
Matrix: Water
Date Received: 02/22/12 17:40

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.0	U	2.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:32	4
Cadmium	0.38	U	2.0	0.38	ug/L		02/27/12 11:05	02/28/12 16:32	4
Chromium	11	I	20	10	ug/L		02/27/12 11:05	02/28/12 16:32	4
Cobalt	14		2.0	0.60	ug/L		02/27/12 11:05	02/28/12 16:32	4
Copper	77		20	4.4	ug/L		02/27/12 11:05	02/28/12 16:32	4
Iron	130000		100	33	ug/L		02/27/12 11:05	02/28/12 07:18	1
Lead	2.0	I	6.0	0.80	ug/L		02/27/12 11:05	02/28/12 16:32	4
Nickel	83		20	8.0	ug/L		02/27/12 11:05	02/28/12 16:32	4
Selenium	4.0	U	10	4.0	ug/L		02/27/12 11:05	02/28/12 16:32	4
Silver	1.0	U	4.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:32	4
Sodium	1500		4.0	2.0	mg/L		02/27/12 11:05	02/28/12 16:54	8
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:18	1
Tin	5.2	U	20	5.2	ug/L		03/01/12 10:33	03/02/12 23:52	4
Vanadium	42		40	15	ug/L		02/27/12 11:05	02/28/12 16:32	4
Zinc	600		80	33	ug/L		02/27/12 11:05	02/28/12 16:32	4

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	I	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:33	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4800		100	40	mg/L			03/04/12 19:43	200
Ammonia as N	200		1.6	0.80	mg/L			03/05/12 17:36	80
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:37	1
Bicarbonate Alkalinity as CaCO3	400		1.0	1.0	mg/L			03/02/12 11:38	1
Total Dissolved Solids	10000		250	250	mg/L			02/27/12 11:22	1
Cyanide, Total	0.0026	I	0.010	0.0025	mg/L		02/27/12 09:09	02/27/12 13:21	1
Sulfide	1.0	U	1.0	1.0	mg/L			02/28/12 11:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.23				SU			02/22/12 15:05	1
Field Temperature	29.4				Degrees C			02/22/12 15:05	1
Oxygen, Dissolved	1.72				mg/L			02/22/12 15:05	1
Specific Conductance	13830				umhos/cm			02/22/12 15:05	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 19:49	1
Acetonitrile	20	U	20	20	ug/L			02/23/12 19:49	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/23/12 19:49	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 19:49	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
Benzene	**7.9**		1.0	0.50	ug/L			02/23/12 19:49	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 19:49	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 19:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/23/12 19:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 19:49	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 19:49	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 19:49	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/23/12 19:49	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/23/12 19:49	1
Chloroethane	**3.4**	**I**	5.0	2.5	ug/L			02/23/12 19:49	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/23/12 19:49	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 19:49	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 19:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:49	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 19:49	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
1,1-Dichloroethane	**0.71**	**I**	1.0	0.52	ug/L			02/23/12 19:49	1
1,2-Dichloroethane	**3.2**		1.0	0.57	ug/L			02/23/12 19:49	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 19:49	1
1,2-Dichloropropane	**0.63**	**I**	1.0	0.52	ug/L			02/23/12 19:49	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/23/12 19:49	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/23/12 19:49	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/23/12 19:49	1
Ethylbenzene	**2.6**		1.0	0.44	ug/L			02/23/12 19:49	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 19:49	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
Isobutyl alcohol	31	U	200	31	ug/L			02/23/12 19:49	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/23/12 19:49	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 19:49	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/23/12 19:49	1
Propionitrile	7.2	U	100	7.2	ug/L			02/23/12 19:49	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 19:49	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 19:49	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 19:49	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:49	1
Toluene	**0.68**	**I**	1.0	0.51	ug/L			02/23/12 19:49	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 19:49	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 19:49	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:49	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 19:49	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 19:49	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:49	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:49	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 19:49	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 19:49	1
Vinyl chloride	**2.6**		1.0	0.50	ug/L			02/23/12 19:49	1
Xylenes, Total	**6.8**		3.0	0.50	ug/L			02/23/12 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*70 - 130*		*02/23/12 19:49*	*1*
Dibromofluoromethane	*90*		*70 - 130*		*02/23/12 19:49*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/23/12 19:49*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.51	U	2.0	0.51	ug/L		02/23/12 12:28	02/24/12 15:03	1
Acenaphthylene	0.26	U	1.0	0.26	ug/L		02/23/12 12:28	02/24/12 15:03	1
Anthracene	0.078	U	0.20	0.078	ug/L		02/23/12 12:28	02/24/12 15:03	1
Benzo[a]anthracene	0.051	U	0.20	0.051	ug/L		02/23/12 12:28	02/24/12 15:03	1
Benzo[a]pyrene	0.058	U	0.20	0.058	ug/L		02/23/12 12:28	02/24/12 15:03	1
Benzo[b]fluoranthene	0.051	U	0.20	0.051	ug/L		02/23/12 12:28	02/24/12 15:03	1
Benzo[g,h,i]perylene	0.10	U	0.51	0.10	ug/L		02/23/12 12:28	02/24/12 15:03	1
Benzo[k]fluoranthene	0.058	U	0.20	0.058	ug/L		02/23/12 12:28	02/24/12 15:03	1
Chrysene	0.070	U	0.20	0.070	ug/L		02/23/12 12:28	02/24/12 15:03	1
Dibenz(a,h)anthracene	0.051	U	0.20	0.051	ug/L		02/23/12 12:28	02/24/12 15:03	1
Fluoranthene	0.055	U	0.51	0.055	ug/L		02/23/12 12:28	02/24/12 15:03	1
Fluorene	0.51	U	2.0	0.51	ug/L		02/23/12 12:28	02/24/12 15:03	1
Indeno[1,2,3-cd]pyrene	0.051	U	0.20	0.051	ug/L		02/23/12 12:28	02/24/12 15:03	1
1-Methylnaphthalene	0.51	U	2.0	0.51	ug/L		02/23/12 12:28	02/24/12 15:03	1
2-Methylnaphthalene	0.51	U	2.0	0.51	ug/L		02/23/12 12:28	02/24/12 15:03	1
Naphthalene	**1.5**	I	2.0	0.26	ug/L		02/23/12 12:28	02/24/12 15:03	1
Phenanthrene	0.20	U	0.51	0.20	ug/L		02/23/12 12:28	02/24/12 15:03	1
Pyrene	0.091	U	0.51	0.091	ug/L		02/23/12 12:28	02/24/12 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*30 - 130*	*02/23/12 12:28*	*02/24/12 15:03*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	10	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Acetylaminofluorene	0.77	U	10	0.77	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Aminobiphenyl	0.81	U	10	0.81	ug/L		02/23/12 12:26	02/27/12 16:26	1
Benzyl alcohol	2.9	U	10	2.9	ug/L		02/23/12 12:26	02/27/12 16:26	1
Bis(2-chloroethoxy)methane	2.0	U	10	2.0	ug/L		02/23/12 12:26	02/27/12 16:26	1
Bis(2-chloroethyl)ether	2.6	U	10	2.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
bis(2 chloro-1-methylethyl) ether	2.1	U	10	2.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
Bis(2-ethylhexyl) phthalate	1.3	U	6.0	1.3	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Bromophenyl phenyl ether	1.7	U	10	1.7	ug/L		02/23/12 12:26	02/27/12 16:26	1
Butyl benzyl phthalate	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Chloroaniline	2.1	U J3	20	2.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Chloro-3-methylphenol	1.7	U	10	1.7	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Chloronaphthalene	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Chlorophenol	2.1	U	10	2.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Chlorophenyl phenyl ether	1.8	U	10	1.8	ug/L		02/23/12 12:26	02/27/12 16:26	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diallate	1.4	U	10	1.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
Dibenzofuran	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,2-Dichlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,3-Dichlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,4-Dichlorobenzene	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4-Dichlorophenol	1.8	U	10	1.8	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,6-Dichlorophenol	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
Diethyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
7,12-Dimethylbenz(a)anthracene	0.92	U	10	0.92	ug/L		02/23/12 12:26	02/27/12 16:26	1
3,3'-Dimethylbenzidine	14	U J3	20	14	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4-Dimethylphenol	1.8	U J3	10	1.8	ug/L		02/23/12 12:26	02/27/12 16:26	1
Dimethyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
Di-n-butyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,3-Dinitrobenzene	0.99	U	10	0.99	ug/L		02/23/12 12:26	02/27/12 16:26	1
4,6-Dinitro-2-methylphenol	1.5	U	50	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4-Dinitrophenol	6.2	U	50	6.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4-Dinitrotoluene	0.91	U	10	0.91	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,6-Dinitrotoluene	0.72	U	10	0.72	ug/L		02/23/12 12:26	02/27/12 16:26	1
Di-n-octyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
Ethyl methanesulfonate	1.3	U	10	1.3	ug/L		02/23/12 12:26	02/27/12 16:26	1
Hexachlorobenzene	1.7	U	4.0	1.7	ug/L		02/23/12 12:26	02/27/12 16:26	1
Hexachlorobutadiene	1.0	U	10	1.0	ug/L		02/23/12 12:26	02/27/12 16:26	1
Hexachlorocyclopentadiene	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
Hexachloroethane	0.85	U J3	10	0.85	ug/L		02/23/12 12:26	02/27/12 16:26	1
Hexachloropropene	0.66	U	10	0.66	ug/L		02/23/12 12:26	02/27/12 16:26	1
Isophorone	1.4	U	10	1.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
Isosafrole	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
Methapyrilene	1.1	U	2000	1.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
3-Methylcholanthrene	0.56	U	10	0.56	ug/L		02/23/12 12:26	02/27/12 16:26	1
Methyl methanesulfonate	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Methylphenol	2.3	U	10	2.3	ug/L		02/23/12 12:26	02/27/12 16:26	1
3 & 4 Methylphenol	2.4	U J3	10	2.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,4-Naphthoquinone	1.1	U	10	1.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
1-Naphthylamine	0.84	U	10	0.84	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Naphthylamine	**2.5**	**I**	10	1.0	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Nitroaniline	1.4	U	50	1.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
3-Nitroaniline	1.2	U	50	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Nitroaniline	1.4	U	50	1.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
Nitrobenzene	1.9	U	10	1.9	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Nitrophenol	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
4-Nitrophenol	6.2	U	50	6.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitro-o-toluidine	0.90	U	10	0.90	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosodiethylamine	1.5	U	10	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosodimethylamine	2.4	U	10	2.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosodi-n-butylamine	1.5	U	10	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosodi-n-propylamine	1.9	U	10	1.9	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosodiphenylamine	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosomethylethylamine	1.6	U	10	1.6	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosopiperidine	0.87	U	10	0.87	ug/L		02/23/12 12:26	02/27/12 16:26	1
N-Nitrosopyrrolidine	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	1.8	U	10	1.8	ug/L		02/23/12 12:26	02/27/12 16:26	1
p-Dimethylamino azobenzene	0.67	U	10	0.67	ug/L		02/23/12 12:26	02/27/12 16:26	1
Pentachlorobenzene	0.99	U	10	0.99	ug/L		02/23/12 12:26	02/27/12 16:26	1
Pentachloronitrobenzene	1.5	U	10	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		02/23/12 12:26	02/27/12 16:26	1
Phenacetin	0.84	U	10	0.84	ug/L		02/23/12 12:26	02/27/12 16:26	1
Phenol	2.4	U	4.0	2.4	ug/L		02/23/12 12:26	02/27/12 16:26	1
p-Phenylene diamine	3.1	U J3	2000	3.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
Pronamide	0.70	U	10	0.70	ug/L		02/23/12 12:26	02/27/12 16:26	1
Safrole, Total	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,2,4,5-Tetrachlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,3,4,6-Tetrachlorophenol	0.65	U	10	0.65	ug/L		02/23/12 12:26	02/27/12 16:26	1
2-Toluidine	**4.5**	**I**	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,2,4-Trichlorobenzene	1.2	U	10	1.2	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4,5-Trichlorophenol	2.1	U	10	2.1	ug/L		02/23/12 12:26	02/27/12 16:26	1
2,4,6-Trichlorophenol	1.9	U	10	1.9	ug/L		02/23/12 12:26	02/27/12 16:26	1
1,3,5-Trinitrobenzene	0.61	U	10	0.61	ug/L		02/23/12 12:26	02/27/12 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*36 - 124*	*02/23/12 12:26*	*02/27/12 16:26*	*1*
2-Fluorophenol	*42*		*29 - 121*	*02/23/12 12:26*	*02/27/12 16:26*	*1*
Nitrobenzene-d5	*50*		*34 - 130*	*02/23/12 12:26*	*02/27/12 16:26*	*1*
Phenol-d6 (Surr)	*43*		*25 - 128*	*02/23/12 12:26*	*02/27/12 16:26*	*1*
Terphenyl-d14	*23*		*14 - 148*	*02/23/12 12:26*	*02/27/12 16:26*	*1*
2,4,6-Tribromophenol	*51*		*29 - 143*	*02/23/12 12:26*	*02/27/12 16:26*	*1*

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	0.0093	U	0.019	0.0093	ug/L		02/27/12 10:10	02/27/12 15:11	1
Ethylene Dibromide	0.0093	U	0.019	0.0093	ug/L		02/27/12 10:10	02/27/12 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*68*		*60 - 140*	*02/27/12 10:10*	*02/27/12 15:11*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.051	0.0018	ug/L		02/28/12 06:56	02/28/12 14:28	1
alpha-BHC	0.0029	U	0.051	0.0029	ug/L		02/28/12 06:56	02/28/12 14:28	1
beta-BHC	0.0028	U	0.051	0.0028	ug/L		02/28/12 06:56	02/28/12 14:28	1
Chlordane (technical)	0.058	U	0.51	0.058	ug/L		02/28/12 06:56	02/28/12 14:28	1
Chlorobenzilate	0.077	U	0.51	0.077	ug/L		02/28/12 06:56	02/28/12 14:28	1
4,4'-DDD	0.0042	U	0.051	0.0042	ug/L		02/28/12 06:56	02/28/12 14:28	1
4,4'-DDE	0.0056	U	0.051	0.0056	ug/L		02/28/12 06:56	02/28/12 14:28	1
4,4'-DDT	0.0033	U	0.051	0.0033	ug/L		02/28/12 06:56	02/28/12 14:28	1
delta-BHC	**0.012**	**I**	0.051	0.0029	ug/L		02/28/12 06:56	02/28/12 14:28	1
Dieldrin	0.0014	U	0.051	0.0014	ug/L		02/28/12 06:56	02/28/12 14:28	1
Endosulfan I	0.0035	U	0.051	0.0035	ug/L		02/28/12 06:56	02/28/12 14:28	1
Endosulfan II	0.0034	U	0.051	0.0034	ug/L		02/28/12 06:56	02/28/12 14:28	1
Endosulfan sulfate	0.0031	U	0.051	0.0031	ug/L		02/28/12 06:56	02/28/12 14:28	1
Endrin	0.0032	U	0.051	0.0032	ug/L		02/28/12 06:56	02/28/12 14:28	1
Endrin aldehyde	0.0033	U	0.051	0.0033	ug/L		02/28/12 06:56	02/28/12 14:28	1
gamma-BHC (Lindane)	0.0027	U	0.051	0.0027	ug/L		02/28/12 06:56	02/28/12 14:28	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.0032	U	0.051	0.0032	ug/L		02/28/12 06:56	02/28/12 14:28	1
Heptachlor epoxide	0.0032	U	0.051	0.0032	ug/L		02/28/12 06:56	02/28/12 14:28	1
Isodrin	0.0062	U	0.051	0.0062	ug/L		02/28/12 06:56	02/28/12 14:28	1
Methoxychlor	0.0052	U	0.051	0.0052	ug/L		02/28/12 06:56	02/28/12 14:28	1
Toxaphene	0.73	U	5.1	0.73	ug/L		02/28/12 06:56	02/28/12 14:28	1
Kepone	0.085	U	0.51	0.085	ug/L		02/28/12 06:56	02/28/12 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*10*	*J1*	*30 - 150*	*02/28/12 06:56*	*02/28/12 14:28*	*1*
Tetrachloro-m-xylene	*66*		*30 - 150*	*02/28/12 06:56*	*02/28/12 14:28*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.51	0.27	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1221	0.15	U	0.51	0.15	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1232	0.39	U	0.51	0.39	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1242	0.23	U	0.51	0.23	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1248	0.13	U	0.51	0.13	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1254	0.12	U	0.51	0.12	ug/L		02/28/12 06:56	02/29/12 10:17	1
PCB-1260	0.33	U J3	0.51	0.33	ug/L		02/28/12 06:56	02/29/12 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*22*	*J1*	*30 - 150*	*02/28/12 06:56*	*02/29/12 10:17*	*1*
Tetrachloro-m-xylene	*62*		*30 - 150*	*02/28/12 06:56*	*02/29/12 10:17*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/27/12 12:23	03/02/12 17:56	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/27/12 12:23	03/02/12 17:56	1
Famphur	0.11	U	2.0	0.11	ug/L		02/27/12 12:23	03/02/12 17:56	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/27/12 12:23	03/02/12 17:56	1
Parathion	0.080	U	1.0	0.080	ug/L		02/27/12 12:23	03/02/12 17:56	1
Phorate	0.16	U	1.0	0.16	ug/L		02/27/12 12:23	03/02/12 17:56	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/27/12 12:23	03/02/12 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*		*37 - 139*	*02/27/12 12:23*	*03/02/12 17:56*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.063	U	0.51	0.063	ug/L		02/27/12 08:19	02/29/12 04:16	1
2,4-D	0.038	U	0.51	0.038	ug/L		02/27/12 08:19	02/29/12 04:16	1
Dinoseb	0.16	U	6.1	0.16	ug/L		02/27/12 08:19	02/29/12 04:16	1
Silvex (2,4,5-TP)	0.063	U	0.51	0.063	ug/L		02/27/12 08:19	02/29/12 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*151*		*52 - 151*	*02/27/12 08:19*	*02/29/12 04:16*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9.2	U	20	9.2	ug/L		02/27/12 11:05	02/28/12 16:39	4
Arsenic	**18**		10	5.2	ug/L		02/27/12 11:05	02/28/12 16:39	4
Barium	**460**		20	5.2	ug/L		02/27/12 11:05	02/28/12 16:39	4

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.0	U	2.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:39	4
Cadmium	0.38	U	2.0	0.38	ug/L		02/27/12 11:05	02/28/12 16:39	4
Chromium	10	U	20	10	ug/L		02/27/12 11:05	02/28/12 16:39	4
Cobalt	**5.9**		2.0	0.60	ug/L		02/27/12 11:05	02/28/12 16:39	4
Copper	**36**		20	4.4	ug/L		02/27/12 11:05	02/28/12 16:39	4
Iron	**550000**		400	130	ug/L		02/27/12 11:05	02/28/12 16:39	4
Lead	0.80	U	6.0	0.80	ug/L		02/27/12 11:05	02/28/12 16:39	4
Nickel	**89**		20	8.0	ug/L		02/27/12 11:05	02/28/12 16:39	4
Selenium	4.0	U	10	4.0	ug/L		02/27/12 11:05	02/28/12 16:39	4
Silver	1.0	U	4.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:39	4
Sodium	**1900**		4.0	2.0	mg/L		02/27/12 11:05	02/28/12 17:02	8
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:25	1
Tin	5.2	U	20	5.2	ug/L		03/01/12 10:33	03/03/12 00:08	4
Vanadium	15	U	40	15	ug/L		02/27/12 11:05	02/28/12 16:39	4
Zinc	**160**		80	33	ug/L		02/27/12 11:05	02/28/12 16:39	4

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**I**	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8300**		200	80	mg/L			03/05/12 10:39	400
Ammonia as N	**210**		1.6	0.80	mg/L			03/05/12 17:55	80
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:38	1
Bicarbonate Alkalinity as CaCO3	**79**		1.0	1.0	mg/L			03/02/12 11:50	1
Total Dissolved Solids	**16000**		250	250	mg/L			02/27/12 11:23	1
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		02/27/12 09:09	02/27/12 13:22	1
Sulfide	**3.2**		1.0	1.0	mg/L			02/28/12 11:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.89**				SU			02/22/12 14:30	1
Field Temperature	**29.0**				Degrees C			02/22/12 14:30	1
Oxygen, Dissolved	**2.64**				mg/L			02/22/12 14:30	1
Specific Conductance	**21260**				umhos/cm			02/22/12 14:30	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.0	U	2.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:47	4
Cadmium	0.38	U	2.0	0.38	ug/L		02/27/12 11:05	02/28/12 16:47	4
Chromium	13	I	20	10	ug/L		02/27/12 11:05	02/28/12 16:47	4
Cobalt	19		2.0	0.60	ug/L		02/27/12 11:05	02/28/12 16:47	4
Copper	7.5	I	20	4.4	ug/L		02/27/12 11:05	02/28/12 16:47	4
Iron	49000		100	33	ug/L		02/27/12 11:05	02/28/12 07:33	1
Lead	3.9	I	6.0	0.80	ug/L		02/27/12 11:05	02/28/12 16:47	4
Nickel	69		20	8.0	ug/L		02/27/12 11:05	02/28/12 16:47	4
Selenium	4.0	U	10	4.0	ug/L		02/27/12 11:05	02/28/12 16:47	4
Silver	1.0	U	4.0	1.0	ug/L		02/27/12 11:05	02/28/12 16:47	4
Sodium	1900		4.0	2.0	mg/L		02/27/12 11:05	02/28/12 17:10	8
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:33	1
Tin	5.2	U	20	5.2	ug/L		03/01/12 10:33	03/03/12 00:13	4
Vanadium	93		40	15	ug/L		02/27/12 11:05	02/28/12 16:47	4
Zinc	39	I	80	33	ug/L		02/27/12 11:05	02/28/12 16:47	4

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2400		100	40	mg/L			03/04/12 20:16	200
Ammonia as N	290		1.6	0.80	mg/L			03/08/12 14:46	80
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:39	1
Bicarbonate Alkalinity as CaCO3	2700		1.0	1.0	mg/L			03/02/12 12:12	1
Total Dissolved Solids	6200		250	250	mg/L			02/27/12 11:25	1
Cyanide, Total	0.0067	I	0.010	0.0025	mg/L		02/27/12 09:09	02/27/12 13:24	1
Sulfide	6.6		1.0	1.0	mg/L			02/28/12 11:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.94				SU			02/22/12 11:40	1
Field Temperature	36.5				Degrees C			02/22/12 11:40	1
Oxygen, Dissolved	0.36				mg/L			02/22/12 11:40	1
Specific Conductance	11223				umhos/cm			02/22/12 11:40	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 20:07	1
Acetonitrile	20	U	20	20	ug/L			02/23/12 20:07	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/23/12 20:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 20:07	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
Benzene	**1.3**		1.0	0.50	ug/L			02/23/12 20:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 20:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 20:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/23/12 20:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 20:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 20:07	1
Chlorobenzene	**2.9**		1.0	0.63	ug/L			02/23/12 20:07	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/23/12 20:07	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/23/12 20:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/23/12 20:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 20:07	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 20:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 20:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 20:07	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 20:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 20:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 20:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 20:07	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/23/12 20:07	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/23/12 20:07	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/23/12 20:07	1
Ethylbenzene	**3.2**		1.0	0.44	ug/L			02/23/12 20:07	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 20:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
Isobutyl alcohol	31	U	200	31	ug/L			02/23/12 20:07	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/23/12 20:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 20:07	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/23/12 20:07	1
Propionitrile	7.2	U	100	7.2	ug/L			02/23/12 20:07	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 20:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 20:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 20:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 20:07	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 20:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 20:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 20:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 20:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 20:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 20:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 20:07	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 20:07	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 20:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 20:07	1
Xylenes, Total	**1.8**	**I**	3.0	0.50	ug/L			02/23/12 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*70 - 130*		*02/23/12 20:07*	*1*
Dibromofluoromethane	*90*		*70 - 130*		*02/23/12 20:07*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/23/12 20:07*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 15:21	1
Acenaphthylene	0.24	U	0.95	0.24	ug/L		02/23/12 12:28	02/24/12 15:21	1
Anthracene	0.072	U J3	0.19	0.072	ug/L		02/23/12 12:28	02/24/12 15:21	1
Benzo[a]anthracene	0.048	U J3	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 15:21	1
Benzo[a]pyrene	0.054	U	0.19	0.054	ug/L		02/23/12 12:28	02/24/12 15:21	1
Benzo[b]fluoranthene	0.048	U J3	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 15:21	1
Benzo[g,h,i]perylene	0.095	U	0.48	0.095	ug/L		02/23/12 12:28	02/24/12 15:21	1
Benzo[k]fluoranthene	0.054	U J3	0.19	0.054	ug/L		02/23/12 12:28	02/24/12 15:21	1
Chrysene	0.066	U J3	0.19	0.066	ug/L		02/23/12 12:28	02/24/12 15:21	1
Dibenz(a,h)anthracene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 15:21	1
Fluoranthene	0.051	U J3	0.48	0.051	ug/L		02/23/12 12:28	02/24/12 15:21	1
Fluorene	0.48	U J3	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 15:21	1
Indeno[1,2,3-cd]pyrene	0.048	U	0.19	0.048	ug/L		02/23/12 12:28	02/24/12 15:21	1
1-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 15:21	1
2-Methylnaphthalene	0.48	U	1.9	0.48	ug/L		02/23/12 12:28	02/24/12 15:21	1
Naphthalene	**3.6**		1.9	0.24	ug/L		02/23/12 12:28	02/24/12 15:21	1
Phenanthrene	0.19	U J3	0.48	0.19	ug/L		02/23/12 12:28	02/24/12 15:21	1
Pyrene	0.085	U J3	0.48	0.085	ug/L		02/23/12 12:28	02/24/12 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*38*		*30 - 130*	*02/23/12 12:28*	*02/24/12 15:21*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	9.8	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Acetylaminofluorene	0.75	U	9.8	0.75	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Aminobiphenyl	0.79	U J3	9.8	0.79	ug/L		02/23/12 12:26	02/27/12 16:46	1
Benzyl alcohol	2.8	U	9.8	2.8	ug/L		02/23/12 12:26	02/27/12 16:46	1
Bis(2-chloroethoxy)methane	2.0	U	9.8	2.0	ug/L		02/23/12 12:26	02/27/12 16:46	1
Bis(2-chloroethyl)ether	2.5	U	9.8	2.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
bis(2 chloro-1-methylethyl) ether	2.1	U	9.8	2.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
Bis(2-ethylhexyl) phthalate	1.3	U	5.9	1.3	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Bromophenyl phenyl ether	1.7	U	9.8	1.7	ug/L		02/23/12 12:26	02/27/12 16:46	1
Butyl benzyl phthalate	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Chloroaniline	2.1	U J3	20	2.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Chloro-3-methylphenol	1.7	U	9.8	1.7	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Chloronaphthalene	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Chlorophenol	2.1	U	9.8	2.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Chlorophenyl phenyl ether	1.8	U	9.8	1.8	ug/L		02/23/12 12:26	02/27/12 16:46	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diallate	1.4	U	9.8	1.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
Dibenzofuran	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,2-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,3-Dichlorobenzene	1.1	U	9.8	1.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,4-Dichlorobenzene	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4-Dichlorophenol	1.8	U	9.8	1.8	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,6-Dichlorophenol	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
Diethyl phthalate	2.5	U	9.8	2.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
7,12-Dimethylbenz(a)anthracene	0.90	U	9.8	0.90	ug/L		02/23/12 12:26	02/27/12 16:46	1
3,3'-Dimethylbenzidine	14	U J3	20	14	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4-Dimethylphenol	1.8	U J3	9.8	1.8	ug/L		02/23/12 12:26	02/27/12 16:46	1
Dimethyl phthalate	2.5	U	9.8	2.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
Di-n-butyl phthalate	2.5	U	9.8	2.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,3-Dinitrobenzene	0.97	U	9.8	0.97	ug/L		02/23/12 12:26	02/27/12 16:46	1
4,6-Dinitro-2-methylphenol	1.5	U	49	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4-Dinitrophenol	6.1	U	49	6.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4-Dinitrotoluene	0.89	U	9.8	0.89	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,6-Dinitrotoluene	0.71	U	9.8	0.71	ug/L		02/23/12 12:26	02/27/12 16:46	1
Di-n-octyl phthalate	2.5	U	9.8	2.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
Ethyl methanesulfonate	1.3	U	9.8	1.3	ug/L		02/23/12 12:26	02/27/12 16:46	1
Hexachlorobenzene	1.7	U	3.9	1.7	ug/L		02/23/12 12:26	02/27/12 16:46	1
Hexachlorobutadiene	0.98	U	9.8	0.98	ug/L		02/23/12 12:26	02/27/12 16:46	1
Hexachlorocyclopentadiene	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
Hexachloroethane	0.83	U J3	9.8	0.83	ug/L		02/23/12 12:26	02/27/12 16:46	1
Hexachloropropene	0.65	U	9.8	0.65	ug/L		02/23/12 12:26	02/27/12 16:46	1
Isophorone	1.4	U	9.8	1.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
Isosafrole	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
Methapyrilene	1.1	U J3	2000	1.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
3-Methylcholanthrene	0.55	U	9.8	0.55	ug/L		02/23/12 12:26	02/27/12 16:46	1
Methyl methanesulfonate	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Methylphenol	2.3	U	9.8	2.3	ug/L		02/23/12 12:26	02/27/12 16:46	1
3 & 4 Methylphenol	2.4	U J3	9.8	2.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,4-Naphthoquinone	1.1	U	9.8	1.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
1-Naphthylamine	0.82	U J3	9.8	0.82	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Naphthylamine	0.98	U J3	9.8	0.98	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Nitroaniline	1.4	U	49	1.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
3-Nitroaniline	1.2	U	49	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Nitroaniline	1.4	U	49	1.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
Nitrobenzene	1.9	U	9.8	1.9	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Nitrophenol	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
4-Nitrophenol	6.1	U	49	6.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitro-o-toluidine	0.88	U	9.8	0.88	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosodiethylamine	1.5	U	9.8	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosodimethylamine	2.4	U	9.8	2.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosodi-n-butylamine	1.5	U	9.8	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosodi-n-propylamine	1.9	U	9.8	1.9	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosodiphenylamine	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosomethylethylamine	1.6	U	9.8	1.6	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosopiperidine	0.85	U	9.8	0.85	ug/L		02/23/12 12:26	02/27/12 16:46	1
N-Nitrosopyrrolidine	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	1.8	U	9.8	1.8	ug/L		02/23/12 12:26	02/27/12 16:46	1
p-Dimethylamino azobenzene	0.66	U	9.8	0.66	ug/L		02/23/12 12:26	02/27/12 16:46	1
Pentachlorobenzene	0.97	U	9.8	0.97	ug/L		02/23/12 12:26	02/27/12 16:46	1
Pentachloronitrobenzene	1.5	U	9.8	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		02/23/12 12:26	02/27/12 16:46	1
Phenacetin	0.82	U	9.8	0.82	ug/L		02/23/12 12:26	02/27/12 16:46	1
Phenol	2.4	U	3.9	2.4	ug/L		02/23/12 12:26	02/27/12 16:46	1
p-Phenylene diamine	3.0	U J3	2000	3.0	ug/L		02/23/12 12:26	02/27/12 16:46	1
Pronamide	0.69	U	9.8	0.69	ug/L		02/23/12 12:26	02/27/12 16:46	1
Safrole, Total	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,2,4,5-Tetrachlorobenzene	1.1	U	9.8	1.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,3,4,6-Tetrachlorophenol	0.64	U	9.8	0.64	ug/L		02/23/12 12:26	02/27/12 16:46	1
2-Toluidine	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,2,4-Trichlorobenzene	1.2	U	9.8	1.2	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4,5-Trichlorophenol	2.1	U	9.8	2.1	ug/L		02/23/12 12:26	02/27/12 16:46	1
2,4,6-Trichlorophenol	1.9	U	9.8	1.9	ug/L		02/23/12 12:26	02/27/12 16:46	1
1,3,5-Trinitrobenzene	0.60	U	9.8	0.60	ug/L		02/23/12 12:26	02/27/12 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*36 - 124*	*02/23/12 12:26*	*02/27/12 16:46*	*1*
2-Fluorophenol	*40*		*29 - 121*	*02/23/12 12:26*	*02/27/12 16:46*	*1*
Nitrobenzene-d5	*64*		*34 - 130*	*02/23/12 12:26*	*02/27/12 16:46*	*1*
Phenol-d6 (Surr)	*38*		*25 - 128*	*02/23/12 12:26*	*02/27/12 16:46*	*1*
Terphenyl-d14	*18*		*14 - 148*	*02/23/12 12:26*	*02/27/12 16:46*	*1*
2,4,6-Tribromophenol	*47*		*29 - 143*	*02/23/12 12:26*	*02/27/12 16:46*	*1*

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	0.0097	U	0.019	0.0097	ug/L		02/27/12 10:10	02/27/12 15:47	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		02/27/12 10:10	02/27/12 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*85*		*60 - 140*	*02/27/12 10:10*	*02/27/12 15:47*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0017	U	0.048	0.0017	ug/L		02/28/12 06:56	02/28/12 14:41	1
alpha-BHC	0.0027	U	0.048	0.0027	ug/L		02/28/12 06:56	02/28/12 14:41	1
beta-BHC	0.0026	U	0.048	0.0026	ug/L		02/28/12 06:56	02/28/12 14:41	1
Chlordane (technical)	0.055	U	0.48	0.055	ug/L		02/28/12 06:56	02/28/12 14:41	1
Chlorobenzilate	0.072	U	0.48	0.072	ug/L		02/28/12 06:56	02/28/12 14:41	1
4,4'-DDD	0.0039	U	0.048	0.0039	ug/L		02/28/12 06:56	02/28/12 14:41	1
4,4'-DDE	0.0053	U	0.048	0.0053	ug/L		02/28/12 06:56	02/28/12 14:41	1
4,4'-DDT	0.0031	U	0.048	0.0031	ug/L		02/28/12 06:56	02/28/12 14:41	1
delta-BHC	0.0027	U	0.048	0.0027	ug/L		02/28/12 06:56	02/28/12 14:41	1
Dieldrin	0.0013	U	0.048	0.0013	ug/L		02/28/12 06:56	02/28/12 14:41	1
Endosulfan I	0.0033	U	0.048	0.0033	ug/L		02/28/12 06:56	02/28/12 14:41	1
Endosulfan II	0.0032	U	0.048	0.0032	ug/L		02/28/12 06:56	02/28/12 14:41	1
Endosulfan sulfate	0.0029	U	0.048	0.0029	ug/L		02/28/12 06:56	02/28/12 14:41	1
Endrin	0.0030	U	0.048	0.0030	ug/L		02/28/12 06:56	02/28/12 14:41	1
Endrin aldehyde	0.0031	U	0.048	0.0031	ug/L		02/28/12 06:56	02/28/12 14:41	1
gamma-BHC (Lindane)	0.0025	U	0.048	0.0025	ug/L		02/28/12 06:56	02/28/12 14:41	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.0030	U	0.048	0.0030	ug/L		02/28/12 06:56	02/28/12 14:41	1
Heptachlor epoxide	0.0030	U	0.048	0.0030	ug/L		02/28/12 06:56	02/28/12 14:41	1
Isodrin	0.0059	U	0.048	0.0059	ug/L		02/28/12 06:56	02/28/12 14:41	1
Methoxychlor	0.0049	U	0.048	0.0049	ug/L		02/28/12 06:56	02/28/12 14:41	1
Toxaphene	0.69	U	4.8	0.69	ug/L		02/28/12 06:56	02/28/12 14:41	1
Kepone	0.080	U	0.48	0.080	ug/L		02/28/12 06:56	02/28/12 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*33*		*30 - 150*	*02/28/12 06:56*	*02/28/12 14:41*	*1*
Tetrachloro-m-xylene	*60*		*30 - 150*	*02/28/12 06:56*	*02/28/12 14:41*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.48	0.25	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1221	0.14	U	0.48	0.14	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1232	0.37	U	0.48	0.37	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1242	0.22	U	0.48	0.22	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1248	0.13	U	0.48	0.13	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1254	0.12	U	0.48	0.12	ug/L		02/28/12 06:56	02/29/12 10:32	1
PCB-1260	0.31	U	0.48	0.31	ug/L		02/28/12 06:56	02/29/12 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*30*		*30 - 150*	*02/28/12 06:56*	*02/29/12 10:32*	*1*
Tetrachloro-m-xylene	*59*		*30 - 150*	*02/28/12 06:56*	*02/29/12 10:32*	*1*

Method: 8141A - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/27/12 12:23	03/02/12 18:11	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/27/12 12:23	03/02/12 18:11	1
Famphur	0.11	U	2.0	0.11	ug/L		02/27/12 12:23	03/02/12 18:11	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/27/12 12:23	03/02/12 18:11	1
Parathion	0.080	U	1.0	0.080	ug/L		02/27/12 12:23	03/02/12 18:11	1
Phorate	0.16	U	1.0	0.16	ug/L		02/27/12 12:23	03/02/12 18:11	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/27/12 12:23	03/02/12 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*		*37 - 139*	*02/27/12 12:23*	*03/02/12 18:11*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.077	U	0.62	0.077	ug/L		02/27/12 08:19	02/29/12 04:32	1
2,4-D	**1.0**		0.62	0.046	ug/L		02/27/12 08:19	02/29/12 04:32	1
Dinoseb	0.20	U	7.4	0.20	ug/L		02/27/12 08:19	02/29/12 04:32	1
Silvex (2,4,5-TP)	0.077	U	0.62	0.077	ug/L		02/27/12 08:19	02/29/12 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*86*		*52 - 151*	*02/27/12 08:19*	*02/29/12 04:32*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9.2	U	20	9.2	ug/L		02/27/12 11:05	02/28/12 16:47	4
Arsenic	**23**		10	5.2	ug/L		02/27/12 11:05	02/28/12 16:47	4
Barium	**140**		20	5.2	ug/L		02/27/12 11:05	02/28/12 16:47	4

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-40 WACS# 822

Lab Sample ID: 660-46254-4

Date Collected: 02/22/12 15:56
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 20:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 20:25	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 20:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 20:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 20:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 20:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:25	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 20:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 20:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 20:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 20:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 20:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 20:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 20:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 20:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 20:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 20:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 20:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 20:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 20:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 20:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 20:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 20:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 20:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 20:25	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 20:25	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 20:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 20:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 20:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 20:25	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 20:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 20:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 20:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 20:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 20:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 20:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 20:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 20:25	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 20:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 20:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 20:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 20:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*02/23/12 20:25*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*02/23/12 20:25*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/23/12 20:25*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-40 WACS# 822

Lab Sample ID: 660-46254-4

Date Collected: 02/22/12 15:56
Matrix: Water
Date Received: 02/22/12 17:40

6

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		02/27/12 10:10	02/27/12 16:05	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		02/27/12 10:10	02/27/12 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*84*		*60 - 140*	*02/27/12 10:10*	*02/27/12 16:05*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 07:40	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 07:40	1
Barium	**5.8**		5.0	1.3	ug/L		02/27/12 11:05	02/28/12 07:40	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 17:17	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 07:40	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 07:40	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 07:40	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 07:40	1
Iron	33	U	100	33	ug/L		02/27/12 11:05	02/28/12 07:40	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 07:40	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 07:40	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 07:40	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 07:40	1
Sodium	**17**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 07:40	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:40	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 07:40	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 07:40	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.6**		0.50	0.20	mg/L			03/04/12 20:32	1
Ammonia as N	**0.26**		0.020	0.010	mg/L			03/05/12 17:29	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:26	1
Total Dissolved Solids	**200**		5.0	5.0	mg/L			02/27/12 11:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.52**				SU			02/22/12 15:56	1
Field Temperature	**23.4**				Degrees C			02/22/12 15:56	1
Oxygen, Dissolved	**0.31**				mg/L			02/22/12 15:56	1
Specific Conductance	**306**				umhos/cm			02/22/12 15:56	1
Turbidity	**0.60**				NTU			02/22/12 15:56	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-58 WACS3 1571
Date Collected: 02/22/12 11:14
Date Received: 02/22/12 17:40

Lab Sample ID: 660-46254-5
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 21:01	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 21:01	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 21:01	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 21:01	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 21:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 21:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:01	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 21:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 21:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 21:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 21:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 21:01	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 21:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 21:01	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 21:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 21:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 21:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 21:01	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 21:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 21:01	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 21:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 21:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 21:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 21:01	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			02/23/12 21:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 21:01	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 21:01	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 21:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 21:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 21:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 21:01	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 21:01	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 21:01	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 21:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 21:01	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 21:01	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 21:01	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 21:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:01	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 21:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 21:01	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 21:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 21:01	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*70 - 130*		*02/23/12 21:01*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*02/23/12 21:01*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/23/12 21:01*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-58 WACS3 1571

Lab Sample ID: 660-46254-5

Date Collected: 02/22/12 11:14
Matrix: Water
Date Received: 02/22/12 17:40

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	0.0095	U	0.019	0.0095	ug/L		02/27/12 10:10	02/27/12 16:23	1
Ethylene Dibromide	0.0095	U	0.019	0.0095	ug/L		02/27/12 10:10	02/27/12 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*74*		*60 - 140*	*02/27/12 10:10*	*02/27/12 16:23*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 07:48	1
Arsenic	**26**		2.5	1.3	ug/L		02/27/12 11:05	02/28/12 07:48	1
Barium	**36**		5.0	1.3	ug/L		02/27/12 11:05	02/28/12 07:48	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 17:24	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 07:48	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 07:48	1
Cobalt	**0.35**	I	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 07:48	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 07:48	1
Iron	**3100**		100	33	ug/L		02/27/12 11:05	02/28/12 07:48	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 07:48	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 07:48	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 07:48	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 07:48	1
Sodium	**43**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 07:48	1
Thallium	**0.87**	I	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:48	1
Vanadium	**6.7**	I	10	3.8	ug/L		02/27/12 11:05	02/28/12 07:48	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 07:48	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		5.0	2.0	mg/L			03/05/12 10:56	10
Ammonia as N	**0.61**		0.020	0.010	mg/L			03/05/12 17:27	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:43	1
Total Dissolved Solids	**450**		10	10	mg/L			02/27/12 11:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.77**				SU			02/22/12 11:14	1
Field Temperature	**25.4**				Degrees C			02/22/12 11:14	1
Oxygen, Dissolved	**1.43**				mg/L			02/22/12 11:14	1
Specific Conductance	**881**				umhos/cm			02/22/12 11:14	1
Turbidity	**2.80**				NTU			02/22/12 11:14	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-28A WACS# 19862

Lab Sample ID: 660-46254-6

Date Collected: 02/22/12 10:37
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 21:55	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 21:55	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 21:55	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 21:55	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 21:55	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 21:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:55	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 21:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 21:55	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 21:55	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 21:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:55	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 21:55	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 21:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 21:55	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 21:55	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 21:55	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 21:55	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 21:55	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 21:55	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 21:55	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 21:55	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 21:55	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 21:55	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 21:55	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:55	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 21:55	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 21:55	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 21:55	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 21:55	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 21:55	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 21:55	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 21:55	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 21:55	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 21:55	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 21:55	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 21:55	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 21:55	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 21:55	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 21:55	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 21:55	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 21:55	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 21:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 21:55	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*02/23/12 21:55*	*1*
Dibromofluoromethane	*89*		*70 - 130*		*02/23/12 21:55*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/23/12 21:55*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-28A WACS# 19862

Lab Sample ID: 660-46254-6

Date Collected: 02/22/12 10:37
Date Received: 02/22/12 17:40

Matrix: Water

6

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	0.0096	U	0.019	0.0096	ug/L		02/27/12 10:10	02/27/12 16:41	1
Ethylene Dibromide	0.0096	U	0.019	0.0096	ug/L		02/27/12 10:10	02/27/12 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*82*		*60 - 140*	*02/27/12 10:10*	*02/27/12 16:41*	*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		02/27/12 11:05	02/28/12 07:55	1
Arsenic	**2.4**	I	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 07:55	1
Barium	**2.0**	I	5.0	1.3	ug/L		02/27/12 11:05	02/28/12 07:55	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 17:32	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 07:55	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 07:55	1
Cobalt	**0.55**		0.50	0.15	ug/L		02/27/12 11:05	02/28/12 07:55	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 07:55	1
Iron	**3600**		100	33	ug/L		02/27/12 11:05	02/28/12 07:55	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 07:55	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 07:55	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 07:55	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 07:55	1
Sodium	**24**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 07:55	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 07:55	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 07:55	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 07:55	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:49	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63**		1.0	0.40	mg/L			03/04/12 21:05	2
Ammonia as N	**1.6**	J3	0.020	0.010	mg/L			03/05/12 17:19	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:44	1
Total Dissolved Solids	**180**		5.0	5.0	mg/L			02/27/12 11:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.14**				SU			02/22/12 10:37	1
Field Temperature	**25.7**				Degrees C			02/22/12 10:37	1
Oxygen, Dissolved	**1.55**				mg/L			02/22/12 10:37	1
Specific Conductance	**271**				umhos/cm			02/22/12 10:37	1
Turbidity	**2.30**				NTU			02/22/12 10:37	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-57 WACS# 1570

Lab Sample ID: 660-46254-7

Date Collected: 02/22/12 10:07
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 22:13	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 22:13	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 22:13	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 22:13	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 22:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 22:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:13	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 22:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 22:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 22:13	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 22:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 22:13	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 22:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:13	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 22:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 22:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 22:13	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 22:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 22:13	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 22:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 22:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 22:13	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 22:13	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 22:13	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 22:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 22:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 22:13	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:13	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 22:13	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 22:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 22:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:13	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 22:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 22:13	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:13	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:13	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 22:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 22:13	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 22:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 22:13	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*02/23/12 22:13*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*02/23/12 22:13*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/23/12 22:13*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-57 WACS# 1570

Lab Sample ID: 660-46254-7

Date Collected: 02/22/12 10:07

Matrix: Water

Date Received: 02/22/12 17:40

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		02/27/12 10:10	02/27/12 16:58	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/27/12 10:10	02/27/12 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*99*		*60 - 140*	*02/27/12 10:10*	*02/27/12 16:58*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 08:18	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 08:18	1
Barium	**6.4**		5.0	1.3	ug/L		02/27/12 11:05	02/28/12 08:18	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 17:39	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 08:18	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 08:18	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 08:18	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 08:18	1
Iron	**310**		100	33	ug/L		02/27/12 11:05	02/28/12 08:18	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 08:18	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 08:18	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 08:18	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 08:18	1
Sodium	**12**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 08:18	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 08:18	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 08:18	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 08:18	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:53	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29**		1.0	0.40	mg/L			03/04/12 21:22	2
Ammonia as N	**0.68**		0.020	0.010	mg/L			03/05/12 17:23	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:45	1
Total Dissolved Solids	**96**		5.0	5.0	mg/L			02/27/12 11:27	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.09**				SU			02/22/12 10:07	1
Field Temperature	**25.9**				Degrees C			02/22/12 10:07	1
Oxygen, Dissolved	**0.47**				mg/L			02/22/12 10:07	1
Specific Conductance	**138**				umhos/cm			02/22/12 10:07	1
Turbidity	**0.50**				NTU			02/22/12 10:07	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment 46254

Lab Sample ID: 660-46254-8

Date Collected: 02/22/12 09:45

Matrix: Water

Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 22:31	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 22:31	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 22:31	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 22:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 22:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 22:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:31	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 22:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 22:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 22:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 22:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 22:31	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 22:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:31	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 22:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 22:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:31	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 22:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 22:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 22:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 22:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 22:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 22:31	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 22:31	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 22:31	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 22:31	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 22:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 22:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:31	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 22:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 22:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 22:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 22:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 22:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:31	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 22:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 22:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 22:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 22:31	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*70 - 130*		*02/23/12 22:31*	*1*
Dibromofluoromethane	*93*		*70 - 130*		*02/23/12 22:31*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/23/12 22:31*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment 46254

Lab Sample ID: 660-46254-8

Date Collected: 02/22/12 09:45
Matrix: Water
Date Received: 02/22/12 17:40

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		02/27/12 10:10	02/27/12 17:16	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		02/27/12 10:10	02/27/12 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*110*		*60 - 140*	*02/27/12 10:10*	*02/27/12 17:16*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 08:25	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 08:25	1
Barium	1.3	U	5.0	1.3	ug/L		02/27/12 11:05	02/28/12 08:25	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 18:02	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 08:25	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 08:25	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 08:25	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 08:25	1
Iron	33	U	100	33	ug/L		02/27/12 11:05	02/28/12 08:25	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 08:25	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 08:25	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 08:25	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 08:25	1
Sodium	**0.60**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 08:25	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 08:25	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 08:25	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 08:25	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 11:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/04/12 21:38	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			03/05/12 17:30	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:50	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/27/12 11:27	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-70A WACS# 22959
Date Collected: 02/22/12 14:03
Date Received: 02/22/12 17:40

Lab Sample ID: 660-46254-9
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 22:49	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 22:49	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 22:49	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 22:49	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 22:49	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 22:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:49	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 22:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 22:49	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 22:49	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 22:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:49	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 22:49	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 22:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:49	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 22:49	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 22:49	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:49	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 22:49	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 22:49	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 22:49	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 22:49	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 22:49	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 22:49	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 22:49	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:49	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 22:49	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 22:49	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 22:49	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 22:49	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 22:49	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:49	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 22:49	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 22:49	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 22:49	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 22:49	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 22:49	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 22:49	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 22:49	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 22:49	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 22:49	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 22:49	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 22:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 22:49	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*02/23/12 22:49*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*02/23/12 22:49*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/23/12 22:49*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-70A WACS# 22959

Lab Sample ID: 660-46254-9

Date Collected: 02/22/12 14:03

Matrix: Water

Date Received: 02/22/12 17:40

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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	0.0094	U	0.019	0.0094	ug/L		02/27/12 10:10	02/27/12 17:34	1
Ethylene Dibromide	0.0094	U	0.019	0.0094	ug/L		02/27/12 10:10	02/27/12 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*106*		*60 - 140*	*02/27/12 10:10*	*02/27/12 17:34*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 08:33	1
Arsenic	**2.0**	I	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 08:33	1
Barium	**4.2**	I	5.0	1.3	ug/L		02/27/12 11:05	02/28/12 08:33	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 18:09	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 08:33	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 08:33	1
Cobalt	**0.16**	I	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 08:33	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 08:33	1
Iron	**3900**		100	33	ug/L		02/27/12 11:05	02/28/12 08:33	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 08:33	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 08:33	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 08:33	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 08:33	1
Sodium	**8.9**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 08:33	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 08:33	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 08:33	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 08:33	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 12:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25**		0.50	0.20	mg/L			03/04/12 21:55	1
Ammonia as N	**0.76**		0.020	0.010	mg/L			03/05/12 17:28	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:51	1
Total Dissolved Solids	**260**		10	10	mg/L			02/27/12 11:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.36**				SU			02/22/12 14:03	1
Field Temperature	**25.0**				Degrees C			02/22/12 14:03	1
Oxygen, Dissolved	**0.79**				mg/L			02/22/12 14:03	1
Specific Conductance	**408**				umhos/cm			02/22/12 14:03	1
Turbidity	**14.7**				NTU			02/22/12 14:03	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-69A WACS# 22958
Date Collected: 02/22/12 13:00
Date Received: 02/22/12 17:40

Lab Sample ID: 660-46254-10
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 23:07	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 23:07	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 23:07	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 23:07	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 23:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 23:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:07	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 23:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 23:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 23:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 23:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 23:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 23:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:07	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 23:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 23:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 23:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 23:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 23:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 23:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 23:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 23:07	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 23:07	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 23:07	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 23:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 23:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 23:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:07	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 23:07	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 23:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 23:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 23:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 23:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:07	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 23:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 23:07	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 23:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 23:07	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*02/23/12 23:07*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*02/23/12 23:07*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/23/12 23:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-69A WACS# 22958

Lab Sample ID: 660-46254-10

Date Collected: 02/22/12 13:00
Matrix: Water
Date Received: 02/22/12 17:40

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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		02/27/12 10:10	02/27/12 17:52	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/27/12 10:10	02/27/12 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*95*		*60 - 140*	*02/27/12 10:10*	*02/27/12 17:52*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 08:40	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 08:40	1
Barium	**5.8**		5.0	1.3	ug/L		02/27/12 11:05	02/28/12 08:40	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 18:17	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 08:40	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 08:40	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 08:40	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 08:40	1
Iron	**6100**		100	33	ug/L		02/27/12 11:05	02/28/12 08:40	1
Lead	**0.22**	I	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 08:40	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 08:40	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 08:40	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 08:40	1
Sodium	**15**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 08:40	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 08:40	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 08:40	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 08:40	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 12:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83**		5.0	2.0	mg/L			03/05/12 11:25	10
Ammonia as N	**0.54**		0.020	0.010	mg/L			03/05/12 17:24	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:47	1
Total Dissolved Solids	**400**		10	10	mg/L			02/27/12 11:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.08**				SU			02/22/12 13:00	1
Field Temperature	**24.5**				Degrees C			02/22/12 13:00	1
Oxygen, Dissolved	**0.31**				mg/L			02/22/12 13:00	1
Specific Conductance	**614**				umhos/cm			02/22/12 13:00	1
Turbidity	**4.90**				NTU			02/22/12 13:00	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-71A WACS# 22960

Lab Sample ID: 660-46254-11

Date Collected: 02/22/12 12:27
Date Received: 02/22/12 17:40

Matrix: Water

6

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 23:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 23:25	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 23:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 23:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 23:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 23:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:25	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 23:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 23:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 23:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 23:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 23:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 23:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 23:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 23:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 23:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 23:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 23:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 23:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 23:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 23:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 23:25	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 23:25	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 23:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 23:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 23:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:25	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 23:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 23:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 23:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 23:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 23:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:25	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 23:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 23:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 23:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 23:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*02/23/12 23:25*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*02/23/12 23:25*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/23/12 23:25*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-71A WACS# 22960

Lab Sample ID: 660-46254-11

Date Collected: 02/22/12 12:27
Matrix: Water
Date Received: 02/22/12 17:40

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	0.0095	U	0.019	0.0095	ug/L		02/27/12 10:10	02/27/12 19:03	1
Ethylene Dibromide	0.0095	U	0.019	0.0095	ug/L		02/27/12 10:10	02/27/12 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*91*		*60 - 140*	*02/27/12 10:10*	*02/27/12 19:03*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 08:48	1
Arsenic	**7.8**		2.5	1.3	ug/L		02/27/12 11:05	02/28/12 08:48	1
Barium	**18**		5.0	1.3	ug/L		02/27/12 11:05	02/28/12 08:48	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 18:24	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 08:48	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 08:48	1
Cobalt	**1.4**		0.50	0.15	ug/L		02/27/12 11:05	02/28/12 08:48	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 08:48	1
Iron	**39000**		100	33	ug/L		02/27/12 11:05	02/28/12 08:48	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 08:48	1
Nickel	**6.0**		5.0	2.0	ug/L		02/27/12 11:05	02/28/12 08:48	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 08:48	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 08:48	1
Sodium	**6.3**		0.50	0.25	mg/L		02/27/12 11:05	02/28/12 08:48	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 08:48	1
Vanadium	**12**		10	3.8	ug/L		02/27/12 11:05	02/28/12 08:48	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 08:48	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 12:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**		1.0	0.40	mg/L			03/05/12 11:41	2
Ammonia as N	**1.5**		0.020	0.010	mg/L			03/05/12 17:15	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:53	1
Total Dissolved Solids	**450**		10	10	mg/L			02/27/12 11:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.03**				SU			02/22/12 12:27	1
Field Temperature	**24.1**				Degrees C			02/22/12 12:27	1
Oxygen, Dissolved	**0.24**				mg/L			02/22/12 12:27	1
Specific Conductance	**741**				umhos/cm			02/22/12 12:27	1
Turbidity	**12.7**				NTU			02/22/12 12:27	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Duplicate 46254

Lab Sample ID: 660-46254-12

Date Collected: 02/22/12 00:00
Matrix: Water
Date Received: 02/22/12 17:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 23:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 23:44	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 23:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 23:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 23:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 23:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:44	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 23:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 23:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 23:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 23:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 23:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 23:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 23:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 23:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 23:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 23:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 23:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 23:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 23:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 23:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 23:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 23:44	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 23:44	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 23:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 23:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 23:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:44	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 23:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 23:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 23:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 23:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 23:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 23:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 23:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 23:44	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 23:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 23:44	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 23:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 23:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*02/23/12 23:44*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*02/23/12 23:44*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/23/12 23:44*	*1*

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Duplicate 46254

Lab Sample ID: 660-46254-12

Date Collected: 02/22/12 00:00
Matrix: Water
Date Received: 02/22/12 17:40

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		02/27/12 10:10	02/27/12 19:38	1
Ethylene Dibromide	0.010	U	0.021	0.010	ug/L		02/27/12 10:10	02/27/12 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*105*		*60 - 140*	*02/27/12 10:10*	*02/27/12 19:38*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:06	02/28/12 08:55	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:06	02/28/12 08:55	1
Barium	**7.4**		5.0	1.3	ug/L		02/27/12 11:06	02/28/12 08:55	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:06	02/28/12 18:31	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:06	02/28/12 08:55	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:06	02/28/12 08:55	1
Cobalt	**0.18**	I	0.50	0.15	ug/L		02/27/12 11:06	02/28/12 08:55	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:06	02/28/12 08:55	1
Iron	**7500**		100	33	ug/L		02/27/12 11:06	02/28/12 08:55	1
Lead	**0.37**	I	1.5	0.20	ug/L		02/27/12 11:06	02/28/12 08:55	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:06	02/28/12 08:55	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:06	02/28/12 08:55	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:06	02/28/12 08:55	1
Sodium	**18**		0.50	0.25	mg/L		02/27/12 11:06	02/28/12 08:55	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:06	02/28/12 08:55	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:06	02/28/12 08:55	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:06	02/28/12 08:55	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 12:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80**		5.0	2.0	mg/L			03/05/12 18:17	10
Ammonia as N	**0.54**		0.020	0.010	mg/L			03/05/12 17:25	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:54	1
Total Dissolved Solids	**390**		10	10	mg/L			02/27/12 11:29	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Travel 46254

Lab Sample ID: 660-46254-13

Date Collected: 02/22/12 09:40
Date Received: 02/22/12 17:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 00:02	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 00:02	1
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 00:02	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 00:02	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 00:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 00:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 00:02	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 00:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 00:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 00:02	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 00:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 00:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 00:02	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 00:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 00:02	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 00:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 00:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 00:02	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 00:02	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 00:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 00:02	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 00:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 00:02	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 00:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 00:02	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 00:02	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 00:02	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 00:02	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 00:02	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 00:02	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 00:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 00:02	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 00:02	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 00:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 00:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 00:02	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 00:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 00:02	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 00:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 00:02	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 00:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 00:02	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/12 00:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 00:02	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*02/24/12 00:02*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*02/24/12 00:02*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/24/12 00:02*	*1*

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

Method: 8260B - VOC

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-46215-1	Holland WACS# 883	99	101	103
660-46215-1 DU	Holland WACS# 883	98	102	102
660-46215-2	Blank, Equipment Private Wells 462	100	102	102
660-46215-3	Barnes WACS# 881	97	100	103
660-46215-3 MS	Barnes WACS# 881	100	105	104
660-46215-4	Weeks WACS# 914	99	98	102
660-46215-7	Keen Jr. WACS# 28079	99	103	103
660-46215-11	Blank, Travel 46215	98	102	102
LCS 660-121368/3	Lab Control Sample	100	104	103
MB 660-121368/6	Method Blank	99	102	102

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)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-46215-5	Blank, Equipment Surface Site 4621	99	99	103
660-46215-6	Surface Site 3C2 WACS# 838	98	102	104
660-46215-8	Mine Cut #1D WACS# 834	99	101	104
660-46229-1	TH-61A WACS# 22595	99	103	102
660-46229-1 DU	TH-61A WACS# 22595	100	102	103
660-46229-2	TH-64 WACS# 20494	102	103	104
660-46229-2 MS	TH-64 WACS# 20494	101	101	103
660-46229-3	TH-36A WACS# 20329	98	104	103
660-46229-4	TH-68 WACS# 22039	103	101	106
660-46229-5	TH-19 WACS# 821	94	103	110
660-46229-5 DU	TH-19 WACS# 821	92	102	110
660-46229-6	TH-22A WACS# 19861	94	105	109
660-46229-6 MS	TH-22A WACS# 19861	98	108	107
660-46229-7	Blank, Equipment 46229	100	102	103
660-46229-8	TH-67 WACS# 20532	93	104	110
660-46229-9	TH-65 WACS# 20530	93	105	111
660-46229-10	Duplicate 1 46229	93	103	111
660-46229-11	TH-66A WACS# 22961	95	104	110
660-46229-12	Blank, Travel 46229	100	101	103
660-46254-1	Leachate Sump 007 WACS# 20495	109	93	101
660-46254-2	Leachate Sump 009 WACS# 22595	111	90	99
660-46254-3	Leachate Sump 001 WACS# 919	111	90	100
660-46254-4	TH-40 WACS# 822	109	92	101
660-46254-4 DU	TH-40 WACS# 822	110	91	100
660-46254-5	TH-58 WACS3 1571	111	92	101
660-46254-5 MS	TH-58 WACS3 1571	108	91	101
660-46254-6	TH-28A WACS# 19862	108	89	99
660-46254-7	TH-57 WACS# 1570	107	92	99
660-46254-8	Blank, Equipment 46254	108	93	100

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-46254-9	TH-70A WACS# 22959	107	94	102
660-46254-10	TH-69A WACS# 22958	107	92	100
660-46254-11	TH-71A WACS# 22960	105	92	102
660-46254-12	Duplicate 46254	104	94	99
660-46254-13	Blank, Travel 46254	104	94	100
LCS 660-121387/5	Lab Control Sample	109	98	102
LCS 660-121394/3	Lab Control Sample	98	100	105
LCS 660-121418/3	Lab Control Sample	100	103	103
MB 660-121387/7	Method Blank	107	91	102
MB 660-121394/5	Method Blank	94	106	108
MB 660-121418/5	Method Blank	99	99	103

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(36-124)	(29-121)	(34-130)	(25-128)	(14-148)	(29-143)
660-46254-1	Leachate Sump 007 WACS# 20495	57	0 J1	4 J1	0 J1	31	0.4 J1
660-46254-2	Leachate Sump 009 WACS# 22599	63	42	50	43	23	51
660-46254-3	Leachate Sump 001 WACS# 919	60	40	64	38	18	47
660-46254-3 MS	Leachate Sump 001 WACS# 919	74	53	79	51	34	56
LCS 660-121306/11-A	Lab Control Sample	79	62	77	57	105	79
LCS 660-121306/2-A	Lab Control Sample	67	50	66	44	68	78
LCSD 660-121306/3-A	Lab Control Sample Dup	62	39	57	35	70	81
MB 660-121306/1-A	Method Blank	85	53	76	44	91	72

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(30-130)
660-46253-B-2-B DU	Duplicate	50
660-46254-1	Leachate Sump 007 WACS# 20495	42
660-46254-2	Leachate Sump 009 WACS# 22599	52
660-46254-3	Leachate Sump 001 WACS# 919	38
660-46254-3 MS	Leachate Sump 001 WACS# 919	49

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

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

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (30-130)
LCS 660-121323/2-A	Lab Control Sample	71
MB 660-121323/1-A	Method Blank	90

Surrogate Legend

OTPH = o-Terphenyl

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Method: 8011 - EDB and DBCP in Water by Microextraction

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCEA2 (60-140)
660-46215-1	Holland WACS# 883	91
660-46215-1 MS	Holland WACS# 883	77
660-46215-2	Blank, Equipment Private Wells 462	94
660-46215-2 DU	Blank, Equipment Private Wells 462	101
660-46215-3	Barnes WACS# 881	84
660-46215-4	Weeks WACS# 914	93
660-46215-5	Blank, Equipment Surface Site 4621	103
660-46215-6	Surface Site 3C2 WACS# 838	106
660-46215-7	Keen Jr. WACS# 28079	101
660-46215-8	Mine Cut #1D WACS# 834	103
LCS 660-121274/2-A	Lab Control Sample	74
LCS 660-121408/2-A	Lab Control Sample	71
MB 660-121274/1-A	Method Blank	92
MB 660-121408/1-A	Method Blank	80

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8011 - EDB and DBCP in Water by Microextraction

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCEA1 (60-140)
660-46254-1	Leachate Sump 007 WACS# 20495	76
660-46254-1 MS	Leachate Sump 007 WACS# 20495	34 J1
660-46254-2	Leachate Sump 009 WACS# 22599	68
660-46254-2 DU	Leachate Sump 009 WACS# 22599	76
660-46254-3	Leachate Sump 001 WACS# 919	85

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

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

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCEA2 (60-140)
660-46229-1	TH-61A WACS# 22595	87

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCEA2 (60-140)
660-46229-2	TH-64 WACS# 20494	82
660-46229-3	TH-36A WACS# 20329	83
660-46229-4	TH-68 WACS# 22039	81
660-46229-5	TH-19 WACS# 821	88
660-46229-6	TH-22A WACS# 19861	86
660-46229-7	Blank, Equipment 46229	100
660-46229-9	TH-65 WACS# 20530	102
660-46254-7	TH-57 WACS# 1570	99
660-46254-8	Blank, Equipment 46254	110
660-46254-9	TH-70A WACS# 22959	106
660-46254-10	TH-69A WACS# 22958	95
660-46254-11	TH-71A WACS# 22960	91
660-46254-11 DU	TH-71A WACS# 22960	98
660-46254-12	Duplicate 46254	105
MB 660-121462/1-A	Method Blank	87

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCEA1 (60-140)
660-46229-1 MS	TH-61A WACS# 22595	66
660-46229-2 DU	TH-64 WACS# 20494	80
660-46229-8	TH-67 WACS# 20532	101
660-46229-10	Duplicate 1 46229	103
660-46229-11	TH-66A WACS# 22961	106
660-46229-11 DU	TH-66A WACS# 22961	100
660-46254-4	TH-40 WACS# 822	84
660-46254-5	TH-58 WACS3 1571	74
660-46254-6	TH-28A WACS# 19862	82
LCS 660-121462/2-A	Lab Control Sample	78

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (30-150)	TCX1 (30-150)
660-46254-1	Leachate Sump 007 WACS# 20495	25 J1	58
660-46254-2	Leachate Sump 009 WACS# 22599	10 J1	66
MB 660-121444/1-A	Method Blank	77	72

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)
660-46254-1 MS	Leachate Sump 007 WACS# 20495	18 J1	58
LCS 660-121444/2-A	Lab Control Sample	80	75

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)
660-46254-3	Leachate Sump 001 WACS# 919	33	60

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081A - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX1
Lab Sample ID	Client Sample ID	(30-150)	(30-150)
660-46300-A-2-A MS	Matrix Spike	84	67
660-46300-D-2-A MSD	Matrix Spike Duplicate	80	62

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(30-150)	(30-150)
660-46254-1	Leachate Sump 007 WACS# 20495	19 J1	56
660-46254-2	Leachate Sump 009 WACS# 22599	22 J1	62
660-46254-2 MS	Leachate Sump 009 WACS# 22599	18 J1	58
660-46254-3	Leachate Sump 001 WACS# 919	30	59
660-46254-3 DU	Leachate Sump 001 WACS# 919	29 J1	57
LCS 660-121444/3-A	Lab Control Sample	55	61
MB 660-121444/1-A	Method Blank	57	59

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

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

TestAmerica Job ID: 660-46215-1

Method: 8141A - Organophosphorous Pesticides (GC)

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TPP2 (37-139)
660-46254-1	Leachate Sump 007 WACS# 20495	85
660-46254-1 MS	Leachate Sump 007 WACS# 20495	94
660-46254-1 MSD	Leachate Sump 007 WACS# 20495	84
660-46254-2	Leachate Sump 009 WACS# 22595	82
660-46254-3	Leachate Sump 001 WACS# 919	82
LCS 640-90103/2-A	Lab Control Sample	107
LCSD 640-90103/3-A	Lab Control Sample Dup	116

Surrogate Legend

TPP = Triphenylphosphate

Method: 8141A - Organophosphorous Pesticides (GC)

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TPP1 (37-139)
MB 640-90103/1-A	Method Blank	117

Surrogate Legend

TPP = Triphenylphosphate

Method: 8151A - Herbicides (GC)

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPA1 (52-151)	DCPA2 (52-151)
660-46254-1	Leachate Sump 007 WACS# 20495	851 L J1	3827 L J1
660-46254-2	Leachate Sump 009 WACS# 22595	151	2234 L J1
660-46254-3	Leachate Sump 001 WACS# 919	454 J1	86
LCS 680-230074/15-A	Lab Control Sample	74	79
MB 680-230074/14-A	Method Blank	79	70

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water — **Prep Type: TCLP**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPA1 (52-151)	DCPA2 (52-151)
680-77071-A-1-J MS	Matrix Spike	65	63
680-77071-A-1-K MSD	Matrix Spike Duplicate	69	68

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

QC Sample Results

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

TestAmerica Job ID: 660-46215-1

Method: 8260B - VOC

Lab Sample ID: MB 660-121368/6
Matrix: Water
Analysis Batch: 121368

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/22/12 10:59	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/22/12 10:59	1
Benzene	0.50	U	1.0	0.50	ug/L			02/22/12 10:59	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/22/12 10:59	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/22/12 10:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/22/12 10:59	1
2-Butanone	8.4	U	10	8.4	ug/L			02/22/12 10:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/22/12 10:59	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/22/12 10:59	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/22/12 10:59	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/22/12 10:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/22/12 10:59	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/22/12 10:59	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/22/12 10:59	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/22/12 10:59	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/22/12 10:59	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/22/12 10:59	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 10:59	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/22/12 10:59	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/22/12 10:59	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/22/12 10:59	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/22/12 10:59	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/22/12 10:59	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/22/12 10:59	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/22/12 10:59	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/22/12 10:59	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/22/12 10:59	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/22/12 10:59	1
Styrene	0.98	U	2.0	0.98	ug/L			02/22/12 10:59	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/22/12 10:59	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/22/12 10:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/22/12 10:59	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 10:59	1
Toluene	0.51	U	1.0	0.51	ug/L			02/22/12 10:59	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/22/12 10:59	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/22/12 10:59	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/22/12 10:59	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/22/12 10:59	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/22/12 10:59	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/22/12 10:59	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/22/12 10:59	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/22/12 10:59	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/22/12 10:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/22/12 10:59	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/22/12 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/22/12 10:59*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/22/12 10:59*	*1*

Method: 8260B - VOC (Continued)

Lab Sample ID: MB 660-121368/6
Matrix: Water
Analysis Batch: 121368

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		02/22/12 10:59	1

Lab Sample ID: LCS 660-121368/3
Matrix: Water
Analysis Batch: 121368

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

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Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	51.1		ug/L		128	62 - 142
Acrylonitrile	40.0	38.2		ug/L		96	59 - 146
Benzene	20.0	20.5		ug/L		102	68 - 134
Bromodichloromethane	20.0	20.3		ug/L		102	70 - 130
Bromoform	20.0	19.0		ug/L		95	65 - 130
Bromomethane	20.0	18.3		ug/L		91	22 - 150
2-Butanone	40.0	44.1		ug/L		110	63 - 140
Carbon disulfide	40.0	44.1		ug/L		110	30 - 150
Carbon tetrachloride	20.0	20.6		ug/L		103	61 - 134
Chlorobenzene	20.0	18.3		ug/L		91	70 - 130
Bromochloromethane	20.0	20.9		ug/L		105	70 - 130
Chloroethane	20.0	16.7		ug/L		84	39 - 150
Dibromochloromethane	20.0	20.9		ug/L		105	70 - 130
Chloromethane	20.0	13.2		ug/L		66	35 - 150
1,2-Dichlorobenzene	20.0	18.0		ug/L		90	70 - 130
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	66 - 130
1,4-Dichlorobenzene	20.0	18.0		ug/L		90	70 - 130
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	70 - 130
Dibromomethane	20.0	20.0		ug/L		100	70 - 130
1,1-Dichloroethane	20.0	19.6		ug/L		98	66 - 130
1,2-Dichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethene	20.0	21.9		ug/L		109	51 - 150
1,2-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
Ethylbenzene	20.0	18.4		ug/L		92	70 - 130
2-Hexanone	40.0	43.8		ug/L		110	60 - 148
Iodomethane	40.0	31.0		ug/L		77	70 - 130
Methylene Chloride	20.0	19.2		ug/L		96	57 - 130
4-Methyl-2-pentanone	40.0	41.1		ug/L		103	64 - 137
Styrene	20.0	18.7		ug/L		93	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.4		ug/L		92	70 - 130
Chloroform	20.0	18.9		ug/L		94	68 - 130
1,1,2,2-Tetrachloroethane	20.0	17.2		ug/L		86	70 - 130
Tetrachloroethene	20.0	21.9		ug/L		110	50 - 143
Toluene	20.0	19.9		ug/L		99	70 - 131
trans-1,4-Dichloro-2-butene	40.0	37.8		ug/L		94	70 - 130
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	62 - 139
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 130
1,1,1-Trichloroethane	20.0	20.0		ug/L		100	63 - 132
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	70 - 130
Trichloroethene	20.0	19.7		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	27.0		ug/L		135	62 - 146
1,2,3-Trichloropropane	20.0	16.8		ug/L		84	66 - 130

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 660-121368/3
Matrix: Water
Analysis Batch: 121368

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	20.0	29.6	J3	ug/L		148	31 - 146
Vinyl chloride	20.0	17.3		ug/L		87	48 - 147
Xylenes, Total	60.0	56.8		ug/L		95	68 - 130

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

Lab Sample ID: 660-46215-3 MS
Matrix: Water
Analysis Batch: 121368

Client Sample ID: Barnes WACS# 881
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	47.8		ug/L		120	62 - 142
Acrylonitrile	1.2	U	40.0	39.4		ug/L		99	59 - 146
Benzene	0.50	U	20.0	19.8		ug/L		99	68 - 134
Bromodichloromethane	0.35	U	20.0	19.8		ug/L		99	70 - 130
Bromoform	0.58	U	20.0	18.3		ug/L		92	65 - 130
Bromomethane	2.5	U	20.0	16.3		ug/L		81	22 - 150
2-Butanone	8.4	U	40.0	45.3		ug/L		113	63 - 140
Carbon disulfide	1.0	U	40.0	36.1		ug/L		90	30 - 150
Carbon tetrachloride	0.42	U	20.0	15.5		ug/L		78	61 - 134
Chlorobenzene	0.63	U	20.0	18.5		ug/L		93	70 - 130
Bromochloromethane	0.58	U	20.0	21.5		ug/L		108	70 - 130
Chloroethane	2.5	U	20.0	15.0		ug/L		75	39 - 150
Dibromochloromethane	0.34	U	20.0	20.1		ug/L		101	70 - 130
Chloromethane	1.0	U	20.0	12.6		ug/L		63	35 - 150
1,2-Dichlorobenzene	0.44	U	20.0	18.3		ug/L		91	70 - 130
cis-1,2-Dichloroethene	0.65	U	20.0	19.6		ug/L		98	66 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.1		ug/L		90	70 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		98	70 - 130
Dibromomethane	0.41	U	20.0	20.0		ug/L		100	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.8		ug/L		94	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.5		ug/L		108	70 - 130
1,1-Dichloroethene	0.45	U	20.0	14.3		ug/L		71	51 - 150
1,2-Dichloropropane	0.52	U	20.0	19.9		ug/L		99	70 - 130
Ethylbenzene	0.44	U	20.0	17.3		ug/L		87	70 - 130
2-Hexanone	4.4	U	40.0	45.7		ug/L		114	60 - 148
Iodomethane	2.5	U J3	40.0	22.6	J3	ug/L		57	70 - 130
Methylene Chloride	4.0	U	20.0	19.5		ug/L		98	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	42.2		ug/L		105	64 - 137
Styrene	0.98	U	20.0	18.6		ug/L		93	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.2		ug/L		91	70 - 130
Chloroform	0.90	U	20.0	18.8		ug/L		94	68 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	17.2		ug/L		86	70 - 130
Tetrachloroethene	0.50	U	20.0	20.3		ug/L		102	50 - 143
Toluene	0.51	U	20.0	18.9		ug/L		95	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	38.3		ug/L		96	70 - 130

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-46215-3 MS
Matrix: Water
Analysis Batch: 121368

Client Sample ID: Barnes WACS# 881
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	0.44	U	20.0	17.9		ug/L		90	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	19.0		ug/L		95	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	16.6		ug/L		83	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.2		ug/L		101	70 - 130
Trichloroethene	0.50	U	20.0	17.9		ug/L		89	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.3		ug/L		96	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	17.4		ug/L		87	66 - 130
Vinyl acetate	1.5	U J3	20.0	30.3	J3	ug/L		152	31 - 146
Vinyl chloride	0.50	U	20.0	14.3		ug/L		72	48 - 147
Xylenes, Total	0.50	U	60.0	54.2		ug/L		90	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 660-46215-1 DU
Matrix: Water
Analysis Batch: 121368

Client Sample ID: Holland WACS# 883
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
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
Bromochloromethane	0.58	U	0.58	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.65	U	0.65	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
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

Method: 8260B - VOC (Continued)

Lab Sample ID: 660-46215-1 DU
Matrix: Water
Analysis Batch: 121368

Client Sample ID: Holland WACS# 883
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
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
Chloroform	0.90	U	0.90	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.44	U	0.44	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
Vinyl acetate	1.5	U J3	1.5	U J3	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	*98*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 660-121387/7
Matrix: Water
Analysis Batch: 121387

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 19:05	1
Acetonitrile	20	U	20	20	ug/L			02/23/12 19:05	1
Acrolein	3.8	U	5.0	3.8	ug/L			02/23/12 19:05	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 19:05	1
Allyl chloride	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 19:05	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 19:05	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 19:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 19:05	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/23/12 19:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 19:05	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 19:05	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 19:05	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 19:05	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/23/12 19:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/23/12 19:05	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 19:05	1

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

Lab Sample ID: MB 660-121387/7
Matrix: Water
Analysis Batch: 121387

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 19:05	1
Chloroprene	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 19:05	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 19:05	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 19:05	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:05	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 19:05	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 19:05	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 19:05	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 19:05	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 19:05	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/23/12 19:05	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/23/12 19:05	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/23/12 19:05	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 19:05	1
Ethyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 19:05	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
Isobutyl alcohol	31	U	200	31	ug/L			02/23/12 19:05	1
Methacrylonitrile	1.8	U	10	1.8	ug/L			02/23/12 19:05	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 19:05	1
Methyl methacrylate	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 19:05	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/23/12 19:05	1
Propionitrile	7.2	U	100	7.2	ug/L			02/23/12 19:05	1
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 19:05	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 19:05	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/23/12 19:05	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 19:05	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 19:05	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:05	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 19:05	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 19:05	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 19:05	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 19:05	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 19:05	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 19:05	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 19:05	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 19:05	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 19:05	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 19:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 19:05	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 19:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*70 - 130*		*02/23/12 19:05*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*02/23/12 19:05*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/23/12 19:05*	*1*

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

Lab Sample ID: LCS 660-121387/5
Matrix: Water
Analysis Batch: 121387

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	29.4		ug/L		73	62 - 142
Acetonitrile	400	325		ug/L		81	70 - 130
Acrolein	100	61.8		ug/L		62	54 - 145
Acrylonitrile	40.0	32.7		ug/L		82	59 - 146
Allyl chloride	40.0	31.7		ug/L		79	70 - 130
Benzene	20.0	18.0		ug/L		90	68 - 134
Bromodichloromethane	20.0	17.3		ug/L		87	70 - 130
Bromoform	20.0	16.1		ug/L		81	65 - 130
Bromomethane	20.0	23.2		ug/L		116	22 - 150
2-Butanone	40.0	35.2		ug/L		88	63 - 140
2-Butanone (MEK)	40.0	35.2		ug/L		88	63 - 140
Carbon disulfide	40.0	38.0		ug/L		95	30 - 150
Carbon tetrachloride	20.0	16.0		ug/L		80	61 - 134
Chlorobenzene	20.0	19.0		ug/L		95	70 - 130
Bromochloromethane	20.0	17.1		ug/L		86	70 - 130
Chlorobromomethane	20.0	17.1		ug/L		86	70 - 130
Chloroethane	20.0	16.3		ug/L		82	39 - 150
Chlorodibromomethane	20.0	15.4		ug/L		77	70 - 130
Dibromochloromethane	20.0	15.4		ug/L		77	70 - 130
Chloromethane	20.0	12.0		ug/L		60	35 - 150
Chloroprene	20.0	17.3		ug/L		86	70 - 130
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	66 - 130
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	70 - 130
Dibromomethane	20.0	18.7		ug/L		93	70 - 130
Dichlorodifluoromethane	20.0	8.34		ug/L		42	16 - 149
1,1-Dichloroethane	20.0	18.7		ug/L		94	66 - 130
1,2-Dichloroethane	20.0	18.9		ug/L		95	70 - 130
1,1-Dichloroethene	20.0	16.6		ug/L		83	51 - 150
1,2-Dichloropropane	20.0	20.3		ug/L		102	70 - 130
1,3-Dichloropropane	20.0	19.3		ug/L		97	70 - 130
2,2-Dichloropropane	20.0	16.0		ug/L		80	66 - 134
1,1-Dichloropropene	20.0	18.8		ug/L		94	65 - 136
Ethylbenzene	20.0	19.2		ug/L		96	70 - 130
Ethyl methacrylate	40.0	33.6		ug/L		84	70 - 130
2-Hexanone	40.0	37.5		ug/L		94	60 - 148
Iodomethane	40.0	30.5		ug/L		76	70 - 130
Isobutyl alcohol	400	340		ug/L		85	70 - 130
Methacrylonitrile	40.0	34.6		ug/L		86	70 - 130
Methylene Chloride	20.0	16.4		ug/L		82	57 - 130
Methyl methacrylate	40.0	35.0		ug/L		88	70 - 130
4-Methyl-2-pentanone	40.0	37.3		ug/L		93	64 - 137
4-Methyl-2-pentanone (MIBK)	40.0	37.3		ug/L		93	64 - 137
Propionitrile	40.0	35.8	I	ug/L		90	70 - 130
Styrene	20.0	15.6		ug/L		78	68 - 131
1,1,1,2-Tetrachloroethane	20.0	16.4		ug/L		82	70 - 130
Chloroform	20.0	16.7		ug/L		83	68 - 130
Trichloromethane	20.0	16.7		ug/L		83	68 - 130
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	70 - 130
Tetrachloroethene	20.0	16.2		ug/L		81	50 - 143

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

Lab Sample ID: LCS 660-121387/5
Matrix: Water
Analysis Batch: 121387

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	20.0	19.1		ug/L		96	70 - 131
trans-1,4-Dichloro-2-butene	40.0	36.6		ug/L		92	70 - 130
trans-1,2-Dichloroethene	20.0	17.3		ug/L		86	62 - 139
trans-1,3-Dichloropropene	20.0	15.7		ug/L		78	67 - 130
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	63 - 132
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 130
Trichloroethene	20.0	16.4		ug/L		82	63 - 139
Trichlorofluoromethane	20.0	15.7		ug/L		79	62 - 146
1,2,3-Trichloropropane	20.0	20.1		ug/L		101	66 - 130
Vinyl acetate	20.0	26.0		ug/L		130	31 - 146
Vinyl chloride	20.0	13.3		ug/L		66	48 - 147
Xylenes, Total	60.0	50.4		ug/L		84	68 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-46254-5 MS
Matrix: Water
Analysis Batch: 121387

Client Sample ID: TH-58 WACS3 1571
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	24.9		ug/L		62	62 - 142
Acrylonitrile	1.2	U	40.0	36.4		ug/L		91	59 - 146
Benzene	0.50	U	20.0	17.6		ug/L		88	68 - 134
Bromodichloromethane	0.35	U	20.0	18.2		ug/L		91	70 - 130
Bromoform	0.58	U	20.0	17.0		ug/L		85	65 - 130
Bromomethane	2.5	U	20.0	20.3		ug/L		102	22 - 150
2-Butanone	8.4	U	40.0	37.5		ug/L		94	63 - 140
2-Butanone (MEK)	8.4		40.0	37.5		ug/L		94	63 - 140
Carbon disulfide	1.0	U	40.0	32.5		ug/L		81	30 - 150
Carbon tetrachloride	0.42	U	20.0	14.4		ug/L		72	61 - 134
Chlorobenzene	0.63	U	20.0	20.5		ug/L		102	70 - 130
Bromochloromethane	0.58	U	20.0	18.0		ug/L		90	70 - 130
Chlorobromomethane	0.58		20.0	18.0		ug/L		90	70 - 130
Chloroethane	2.5	U	20.0	15.1		ug/L		76	39 - 150
Chlorodibromomethane	0.34		20.0	17.6		ug/L		88	70 - 130
Dibromochloromethane	0.34	U	20.0	17.6		ug/L		88	70 - 130
Chloromethane	1.0	U	20.0	11.7		ug/L		58	35 - 150
1,2-Dichlorobenzene	0.44	U	20.0	20.8		ug/L		104	70 - 130
cis-1,2-Dichloroethene	0.65	U	20.0	17.8		ug/L		89	66 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.8		ug/L		104	70 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	17.7		ug/L		88	70 - 130
Dibromomethane	0.41	U	20.0	20.9		ug/L		104	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.1		ug/L		91	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.2		ug/L		96	70 - 130
1,1-Dichloroethene	0.45	U	20.0	15.2		ug/L		76	51 - 150
1,2-Dichloropropane	0.52	U	20.0	21.1		ug/L		106	70 - 130

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

Lab Sample ID: 660-46254-5 MS
Matrix: Water
Analysis Batch: 121387

Client Sample ID: TH-58 WACS3 1571
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.44	U	20.0	20.0		ug/L		100	70 - 130
2-Hexanone	4.4	U	40.0	44.8		ug/L		112	60 - 148
Iodomethane	2.5	U J3	40.0	26.7	J3	ug/L		67	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	46.4		ug/L		116	64 - 137
4-Methyl-2-pentanone (MIBK)	3.8		40.0	46.4		ug/L		116	64 - 137
Styrene	0.98	U	20.0	16.8		ug/L		84	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.0		ug/L		90	70 - 130
Chloroform	0.90		20.0	16.5		ug/L		83	68 - 130
Trichloromethane	0.90	U	20.0	16.5		ug/L		83	68 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	22.5		ug/L		113	70 - 130
Tetrachloroethene	0.50	U	20.0	16.7		ug/L		84	50 - 143
Toluene	0.51	U	20.0	20.3		ug/L		101	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	42.1		ug/L		105	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	16.3		ug/L		82	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	17.6		ug/L		88	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.1		ug/L		106	70 - 130
Trichloroethene	0.50	U	20.0	15.5		ug/L		77	63 - 139
Trichlorofluoromethane	2.5	U	20.0	15.1		ug/L		76	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	23.4		ug/L		117	66 - 130
Vinyl acetate	1.5	U	20.0	26.4		ug/L		132	31 - 146
Vinyl chloride	0.50	U	20.0	12.6		ug/L		63	48 - 147
Xylenes, Total	0.50	U	60.0	51.8		ug/L		86	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*70 - 130*
Dibromofluoromethane	*91*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-46254-4 DU
Matrix: Water
Analysis Batch: 121387

Client Sample ID: TH-40 WACS# 822
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
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
2-Butanone (MEK)	8.4		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
Bromochloromethane	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58		0.58	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30

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

Lab Sample ID: 660-46254-4 DU
Matrix: Water
Analysis Batch: 121387

Client Sample ID: TH-40 WACS# 822
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chlorodibromomethane	0.34		0.34	U	ug/L		NC	30
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.65	U	0.65	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
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
4-Methyl-2-pentanone (MIBK)	3.8		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
Chloroform	0.90		0.90	U	ug/L		NC	30
Trichloromethane	0.90	U	0.90	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.44	U	0.44	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
Vinyl acetate	1.5	U	1.5	U	ug/L		NC	30
Vinyl chloride	0.50	U	0.50	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*70 - 130*
Dibromofluoromethane	*91*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 660-121394/5
Matrix: Water
Analysis Batch: 121394

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/24/12 08:53	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/24/12 08:53	1

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

Lab Sample ID: MB 660-121394/5
Matrix: Water
Analysis Batch: 121394

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			02/24/12 08:53	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/24/12 08:53	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/24/12 08:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/24/12 08:53	1
2-Butanone	8.4	U	10	8.4	ug/L			02/24/12 08:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/24/12 08:53	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/24/12 08:53	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/24/12 08:53	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/24/12 08:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/24/12 08:53	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/24/12 08:53	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/24/12 08:53	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/24/12 08:53	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/24/12 08:53	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/24/12 08:53	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 08:53	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/24/12 08:53	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/24/12 08:53	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/24/12 08:53	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/24/12 08:53	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/24/12 08:53	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/24/12 08:53	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/24/12 08:53	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/24/12 08:53	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/24/12 08:53	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/24/12 08:53	1
Styrene	0.98	U	2.0	0.98	ug/L			02/24/12 08:53	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/24/12 08:53	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/24/12 08:53	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/24/12 08:53	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 08:53	1
Toluene	0.51	U	1.0	0.51	ug/L			02/24/12 08:53	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/24/12 08:53	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/24/12 08:53	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/24/12 08:53	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/24/12 08:53	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/24/12 08:53	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/24/12 08:53	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/24/12 08:53	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/24/12 08:53	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/24/12 08:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/24/12 08:53	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/24/12 08:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*02/24/12 08:53*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*02/24/12 08:53*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*02/24/12 08:53*	*1*

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

Lab Sample ID: LCS 660-121394/3
Matrix: Water
Analysis Batch: 121394

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	42.3		ug/L		106	62 - 142
Acrylonitrile	40.0	41.8		ug/L		104	59 - 146
Benzene	20.0	21.0		ug/L		105	68 - 134
Bromodichloromethane	20.0	22.0		ug/L		110	70 - 130
Bromoform	20.0	16.6		ug/L		83	65 - 130
Bromomethane	20.0	24.5		ug/L		123	22 - 150
2-Butanone	40.0	42.2		ug/L		105	63 - 140
Carbon disulfide	40.0	47.2		ug/L		118	30 - 150
Carbon tetrachloride	20.0	21.2		ug/L		106	61 - 134
Chlorobenzene	20.0	18.2		ug/L		91	70 - 130
Bromochloromethane	20.0	20.8		ug/L		104	70 - 130
Chloroethane	20.0	29.6		ug/L		148	39 - 150
Dibromochloromethane	20.0	21.4		ug/L		107	70 - 130
Chloromethane	20.0	15.3		ug/L		76	35 - 150
1,2-Dichlorobenzene	20.0	18.0		ug/L		90	70 - 130
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	66 - 130
1,4-Dichlorobenzene	20.0	17.3		ug/L		86	70 - 130
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	70 - 130
Dibromomethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	20.9		ug/L		104	66 - 130
1,2-Dichloroethane	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethene	20.0	18.3		ug/L		92	51 - 150
1,2-Dichloropropane	20.0	21.5		ug/L		108	70 - 130
Ethylbenzene	20.0	18.2		ug/L		91	70 - 130
2-Hexanone	40.0	46.6		ug/L		116	60 - 148
Iodomethane	40.0	34.9		ug/L		87	70 - 130
Methylene Chloride	20.0	18.8		ug/L		94	57 - 130
4-Methyl-2-pentanone	40.0	47.1		ug/L		118	64 - 137
Styrene	20.0	18.7		ug/L		94	68 - 131
1,1,1,2-Tetrachloroethane	20.0	18.1		ug/L		91	70 - 130
Trichloromethane	20.0	21.4		ug/L		107	68 - 130
1,1,2,2-Tetrachloroethane	20.0	16.4		ug/L		82	70 - 130
Tetrachloroethene	20.0	20.3		ug/L		101	50 - 143
Toluene	20.0	20.7		ug/L		103	70 - 131
trans-1,4-Dichloro-2-butene	40.0	37.9		ug/L		95	70 - 130
trans-1,2-Dichloroethene	20.0	20.9		ug/L		104	62 - 139
trans-1,3-Dichloropropene	20.0	17.3		ug/L		87	67 - 130
1,1,1-Trichloroethane	20.0	21.1		ug/L		105	63 - 132
1,1,2-Trichloroethane	20.0	21.9		ug/L		109	70 - 130
Trichloroethene	20.0	20.2		ug/L		101	63 - 139
Trichlorofluoromethane	20.0	22.8		ug/L		114	62 - 146
1,2,3-Trichloropropane	20.0	16.7		ug/L		84	66 - 130
Vinyl acetate	20.0	32.5	J3	ug/L		163	31 - 146
Vinyl chloride	20.0	21.5		ug/L		108	48 - 147
Xylenes, Total	60.0	55.8		ug/L		93	68 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

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

Lab Sample ID: LCS 660-121394/3
Matrix: Water
Analysis Batch: 121394

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

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

Lab Sample ID: 660-46229-6 MS
Matrix: Water
Analysis Batch: 121394

Client Sample ID: TH-22A WACS# 19861
Prep Type: Total/NA

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Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	51.6		ug/L		129	62 - 142
Acrylonitrile	1.2	U	40.0	50.2		ug/L		126	59 - 146
Benzene	0.50	U	20.0	26.0		ug/L		130	68 - 134
Bromodichloromethane	0.35	U	20.0	25.1		ug/L		126	70 - 130
Bromoform	0.58	U	20.0	16.9		ug/L		85	65 - 130
Bromomethane	2.5	U	20.0	26.8		ug/L		134	22 - 150
2-Butanone	8.4	U	40.0	52.1		ug/L		130	63 - 140
Carbon disulfide	1.0	U	40.0	57.1		ug/L		143	30 - 150
Carbon tetrachloride	0.42	U	20.0	26.6		ug/L		133	61 - 134
Chlorobenzene	0.63	U	20.0	19.8		ug/L		99	70 - 130
Bromochloromethane	0.58	U J3	20.0	26.2	J3	ug/L		131	70 - 130
Chloroethane	2.5	U J3	20.0	45.5	J3	ug/L		227	39 - 150
Dibromochloromethane	0.34	U	20.0	24.8		ug/L		124	70 - 130
Chloromethane	1.0	U	20.0	18.1		ug/L		90	35 - 150
1,2-Dichlorobenzene	0.44	U	20.0	18.8		ug/L		94	70 - 130
cis-1,2-Dichloroethene	0.65	U J3	20.0	26.8	J3	ug/L		134	66 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.2		ug/L		91	70 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	23.7		ug/L		119	70 - 130
Dibromomethane	0.41	U	20.0	24.8		ug/L		124	70 - 130
1,1-Dichloroethane	0.52	U	20.0	26.0		ug/L		130	66 - 130
1,2-Dichloroethane	0.57	U J3	20.0	26.5	J3	ug/L		133	70 - 130
1,1-Dichloroethene	0.45	U	20.0	23.0		ug/L		115	51 - 150
1,2-Dichloropropane	0.52	U	20.0	24.9		ug/L		125	70 - 130
Ethylbenzene	0.44	U	20.0	19.9		ug/L		99	70 - 130
2-Hexanone	4.4	U	40.0	52.0		ug/L		130	60 - 148
Iodomethane	2.5	U	40.0	40.2		ug/L		100	70 - 130
Methylene Chloride	4.0	U	20.0	23.4		ug/L		117	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	48.8		ug/L		122	64 - 137
Styrene	0.98	U	20.0	19.9		ug/L		99	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.2		ug/L		96	70 - 130
Trichloromethane	0.90	U J3	20.0	26.7	J3	ug/L		133	68 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	17.1		ug/L		86	70 - 130
Tetrachloroethene	0.50	U	20.0	24.4		ug/L		122	50 - 143
Toluene	0.51	U	20.0	25.5		ug/L		127	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	39.0		ug/L		98	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	25.6		ug/L		128	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	18.2		ug/L		91	67 - 130
1,1,1-Trichloroethane	0.46	U J3	20.0	26.7	J3	ug/L		134	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	24.4		ug/L		122	70 - 130
Trichloroethene	0.50	U	20.0	26.0		ug/L		130	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	30.6	J3	ug/L		153	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	17.4		ug/L		87	66 - 130

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

Lab Sample ID: 660-46229-6 MS — **Client Sample ID: TH-22A WACS# 19861**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	1.5	U J3	20.0	39.0	J3	ug/L		195	31 - 146
Vinyl chloride	0.50	U	20.0	28.1		ug/L		140	48 - 147
Xylenes, Total	0.50	U	60.0	60.0		ug/L		100	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Lab Sample ID: 660-46229-5 DU — **Client Sample ID: TH-19 WACS# 821**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121394

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
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
Bromochloromethane	0.58	U	0.58	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.65	U	0.65	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
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
Trichloromethane	0.90	U	0.90	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

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

Lab Sample ID: 660-46229-5 DU
Matrix: Water
Analysis Batch: 121394

Client Sample ID: TH-19 WACS# 821
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
trans-1,2-Dichloroethene	0.44	U	0.44	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
Vinyl acetate	1.5	U J3	1.5	U J3	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	*92*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 660-121418/5
Matrix: Water
Analysis Batch: 121418

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/23/12 09:39	1
Acrylonitrile	1.2	U	10	1.2	ug/L			02/23/12 09:39	1
Benzene	0.50	U	1.0	0.50	ug/L			02/23/12 09:39	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			02/23/12 09:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/23/12 09:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/23/12 09:39	1
2-Butanone	8.4	U	10	8.4	ug/L			02/23/12 09:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/23/12 09:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/23/12 09:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/23/12 09:39	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			02/23/12 09:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/23/12 09:39	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			02/23/12 09:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/23/12 09:39	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/23/12 09:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/23/12 09:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/23/12 09:39	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 09:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/23/12 09:39	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/23/12 09:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/23/12 09:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/23/12 09:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/23/12 09:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/23/12 09:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/23/12 09:39	1
Iodomethane	2.5	U	5.0	2.5	ug/L			02/23/12 09:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/23/12 09:39	1
4-Methyl-2-pentanone	3.8	U	10	3.8	ug/L			02/23/12 09:39	1

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

Lab Sample ID: MB 660-121418/5
Matrix: Water
Analysis Batch: 121418

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.98	U	2.0	0.98	ug/L			02/23/12 09:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/23/12 09:39	1
Trichloromethane	0.90	U	1.0	0.90	ug/L			02/23/12 09:39	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/23/12 09:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 09:39	1
Toluene	0.51	U	1.0	0.51	ug/L			02/23/12 09:39	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			02/23/12 09:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/23/12 09:39	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/23/12 09:39	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/23/12 09:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/23/12 09:39	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/23/12 09:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/23/12 09:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/23/12 09:39	1
Vinyl acetate	1.5	U	10	1.5	ug/L			02/23/12 09:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/23/12 09:39	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			02/23/12 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*02/23/12 09:39*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*02/23/12 09:39*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/23/12 09:39*	*1*

Lab Sample ID: LCS 660-121418/3
Matrix: Water
Analysis Batch: 121418

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	37.2		ug/L		93	62 - 142
Acrylonitrile	40.0	33.6		ug/L		84	59 - 146
Benzene	20.0	19.2		ug/L		96	68 - 134
Bromodichloromethane	20.0	19.0		ug/L		95	70 - 130
Bromoform	20.0	17.5		ug/L		87	65 - 130
Bromomethane	20.0	26.1		ug/L		131	22 - 150
2-Butanone	40.0	36.8		ug/L		92	63 - 140
Carbon disulfide	40.0	40.7		ug/L		102	30 - 150
Carbon tetrachloride	20.0	18.9		ug/L		94	61 - 134
Chlorobenzene	20.0	17.4		ug/L		87	70 - 130
Bromochloromethane	20.0	19.9		ug/L		100	70 - 130
Chloroethane	20.0	19.0		ug/L		95	39 - 150
Dibromochloromethane	20.0	18.8		ug/L		94	70 - 130
Chloromethane	20.0	19.5		ug/L		97	35 - 150
1,2-Dichlorobenzene	20.0	16.4		ug/L		82	70 - 130
cis-1,2-Dichloroethene	20.0	18.6		ug/L		93	66 - 130
1,4-Dichlorobenzene	20.0	16.7		ug/L		83	70 - 130
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	70 - 130
Dibromomethane	20.0	18.4		ug/L		92	70 - 130
1,1-Dichloroethane	20.0	18.3		ug/L		91	66 - 130
1,2-Dichloroethane	20.0	19.2		ug/L		96	70 - 130

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

Lab Sample ID: LCS 660-121418/3
Matrix: Water
Analysis Batch: 121418

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	16.2		ug/L		81	51 - 150
1,2-Dichloropropane	20.0	18.9		ug/L		95	70 - 130
Ethylbenzene	20.0	17.4		ug/L		87	70 - 130
2-Hexanone	40.0	36.9		ug/L		92	60 - 148
Iodomethane	40.0	32.0		ug/L		80	70 - 130
Methylene Chloride	20.0	18.2		ug/L		91	57 - 130
4-Methyl-2-pentanone	40.0	34.8		ug/L		87	64 - 137
Styrene	20.0	17.4		ug/L		87	68 - 131
1,1,1,2-Tetrachloroethane	20.0	17.2		ug/L		86	70 - 130
Trichloromethane	20.0	17.6		ug/L		88	68 - 130
1,1,2,2-Tetrachloroethane	20.0	14.9		ug/L		74	70 - 130
Tetrachloroethene	20.0	19.7		ug/L		98	50 - 143
Toluene	20.0	18.6		ug/L		93	70 - 131
trans-1,4-Dichloro-2-butene	40.0	33.9		ug/L		85	70 - 130
trans-1,2-Dichloroethene	20.0	17.9		ug/L		89	62 - 139
trans-1,3-Dichloropropene	20.0	17.9		ug/L		89	67 - 130
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	63 - 132
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	70 - 130
Trichloroethene	20.0	18.2		ug/L		91	63 - 139
Trichlorofluoromethane	20.0	26.3		ug/L		132	62 - 146
1,2,3-Trichloropropane	20.0	14.5		ug/L		72	66 - 130
Vinyl acetate	20.0	28.1		ug/L		140	31 - 146
Vinyl chloride	20.0	22.0		ug/L		110	48 - 147
Xylenes, Total	60.0	53.3		ug/L		89	68 - 130

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

Lab Sample ID: 660-46229-2 MS
Matrix: Water
Analysis Batch: 121418

Client Sample ID: TH-64 WACS# 20494
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	28.4		ug/L		71	62 - 142
Acrylonitrile	1.2	U	40.0	35.0		ug/L		87	59 - 146
Benzene	0.50	U	20.0	18.9		ug/L		94	68 - 134
Bromodichloromethane	0.35	U	20.0	19.6		ug/L		98	70 - 130
Bromoform	0.58	U	20.0	17.5		ug/L		87	65 - 130
Bromomethane	2.5	U	20.0	8.81		ug/L		44	22 - 150
2-Butanone	8.4	U	40.0	33.6		ug/L		84	63 - 140
Carbon disulfide	1.0	U	40.0	38.7		ug/L		97	30 - 150
Carbon tetrachloride	0.42	U	20.0	17.0		ug/L		85	61 - 134
Chlorobenzene	0.63	U	20.0	18.1		ug/L		90	70 - 130
Bromochloromethane	0.58	U	20.0	20.0		ug/L		100	70 - 130
Chloroethane	2.5	U	20.0	19.7		ug/L		99	39 - 150
Dibromochloromethane	0.34	U	20.0	19.2		ug/L		96	70 - 130
Chloromethane	1.0	U	20.0	22.1		ug/L		110	35 - 150

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

Lab Sample ID: 660-46229-2 MS
Matrix: Water
Analysis Batch: 121418

Client Sample ID: TH-64 WACS# 20494
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	0.44	U	20.0	17.3		ug/L		87	70 - 130
cis-1,2-Dichloroethene	0.65	U	20.0	18.4		ug/L		92	66 - 130
1,4-Dichlorobenzene	0.52	U	20.0	17.3		ug/L		86	70 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	19.0		ug/L		95	70 - 130
Dibromomethane	0.41	U	20.0	19.5		ug/L		97	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.2		ug/L		91	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.3		ug/L		101	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	19.7		ug/L		99	70 - 130
Ethylbenzene	0.44	U	20.0	17.4		ug/L		87	70 - 130
2-Hexanone	4.4	U	40.0	36.2		ug/L		90	60 - 148
Iodomethane	2.5	U	40.0	33.9		ug/L		85	70 - 130
Methylene Chloride	4.0	U	20.0	18.1		ug/L		90	57 - 130
4-Methyl-2-pentanone	3.8	U	40.0	35.8		ug/L		90	64 - 137
Styrene	0.98	U	20.0	18.0		ug/L		90	68 - 131
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.0		ug/L		90	70 - 130
Trichloromethane	0.90	U	20.0	18.0		ug/L		90	68 - 130
1,1,2,2-Tetrachloroethane	0.15	U	20.0	16.1		ug/L		80	70 - 130
Tetrachloroethene	0.50	U	20.0	19.4		ug/L		97	50 - 143
Toluene	0.51	U	20.0	18.7		ug/L		93	70 - 131
trans-1,4-Dichloro-2-butene	2.5	U	40.0	35.3		ug/L		88	70 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.7		ug/L		88	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	18.2		ug/L		91	67 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.2		ug/L		86	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.2		ug/L		96	70 - 130
Trichloroethene	0.50	U	20.0	17.6		ug/L		88	63 - 139
Trichlorofluoromethane	2.5	U	20.0	25.4		ug/L		127	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	16.5		ug/L		83	66 - 130
Vinyl acetate	1.5	U J3	20.0	29.7	J3	ug/L		148	31 - 146
Vinyl chloride	0.50	U	20.0	22.0		ug/L		110	48 - 147
Xylenes, Total	0.50	U	60.0	54.0		ug/L		90	68 - 130

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

Lab Sample ID: 660-46229-1 DU
Matrix: Water
Analysis Batch: 121418

Client Sample ID: TH-61A WACS# 22595
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
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

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

Lab Sample ID: 660-46229-1 DU
Matrix: Water
Analysis Batch: 121418

Client Sample ID: TH-61A WACS# 22595
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
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
Bromochloromethane	0.58	U	0.58	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.65	U	0.65	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
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
Trichloromethane	0.90	U	0.90	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.44	U	0.44	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
Vinyl acetate	1.5	U	1.5	U	ug/L		NC	30
Vinyl chloride	0.50	U	0.50	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

8

QC Sample Results

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

TestAmerica Job ID: 660-46215-1

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

Lab Sample ID: MB 660-121306/1-A
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121306

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	1.5	U	10	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Acetylaminofluorene	0.77	U	10	0.77	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Aminobiphenyl	0.81	U	10	0.81	ug/L		02/23/12 09:26	02/27/12 14:05	1
Benzyl alcohol	2.9	U	10	2.9	ug/L		02/23/12 09:26	02/27/12 14:05	1
Bis(2-chloroethoxy)methane	2.0	U	10	2.0	ug/L		02/23/12 09:26	02/27/12 14:05	1
Bis(2-chloroethyl)ether	2.6	U	10	2.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
bis(2 chloro-1-methylethyl) ether	2.1	U	10	2.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
Bis(2-ethylhexyl) phthalate	1.3	U	6.0	1.3	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Bromophenyl phenyl ether	1.7	U	10	1.7	ug/L		02/23/12 09:26	02/27/12 14:05	1
Butyl benzyl phthalate	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Chloroaniline	2.1	U	20	2.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Chloro-3-methylphenol	1.7	U	10	1.7	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Chloronaphthalene	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Chlorophenol	2.1	U	10	2.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Chlorophenyl phenyl ether	1.8	U	10	1.8	ug/L		02/23/12 09:26	02/27/12 14:05	1
Diallate	1.4	U	10	1.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
Dibenzofuran	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,2-Dichlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,3-Dichlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,4-Dichlorobenzene	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
3,3'-Dichlorobenzidine	1.6	U	20	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4-Dichlorophenol	1.8	U	10	1.8	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,6-Dichlorophenol	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
Diethyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
7,12-Dimethylbenz(a)anthracene	0.92	U	10	0.92	ug/L		02/23/12 09:26	02/27/12 14:05	1
3,3'-Dimethylbenzidine	14	U	20	14	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4-Dimethylphenol	1.8	U	10	1.8	ug/L		02/23/12 09:26	02/27/12 14:05	1
Dimethyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
Di-n-butyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,3-Dinitrobenzene	0.99	U	10	0.99	ug/L		02/23/12 09:26	02/27/12 14:05	1
4,6-Dinitro-2-methylphenol	1.5	U	50	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4-Dinitrophenol	6.2	U	50	6.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4-Dinitrotoluene	0.91	U	10	0.91	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,6-Dinitrotoluene	0.72	U	10	0.72	ug/L		02/23/12 09:26	02/27/12 14:05	1
Di-n-octyl phthalate	2.5	U	10	2.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
Ethyl methanesulfonate	1.3	U	10	1.3	ug/L		02/23/12 09:26	02/27/12 14:05	1
Hexachlorobenzene	1.7	U	4.0	1.7	ug/L		02/23/12 09:26	02/27/12 14:05	1
Hexachlorobutadiene	1.0	U	10	1.0	ug/L		02/23/12 09:26	02/27/12 14:05	1
Hexachlorocyclopentadiene	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
Hexachloroethane	0.85	U	10	0.85	ug/L		02/23/12 09:26	02/27/12 14:05	1
Hexachloropropene	0.66	U	10	0.66	ug/L		02/23/12 09:26	02/27/12 14:05	1
Isophorone	1.4	U	10	1.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
Isosafrole	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
Methapyrilene	1.1	U	2000	1.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
3-Methylcholanthrene	0.56	U	10	0.56	ug/L		02/23/12 09:26	02/27/12 14:05	1
Methyl methanesulfonate	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Methylphenol	2.3	U	10	2.3	ug/L		02/23/12 09:26	02/27/12 14:05	1
3 & 4 Methylphenol	2.4	U	10	2.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,4-Naphthoquinone	1.1	U	10	1.1	ug/L		02/23/12 09:26	02/27/12 14:05	1

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

Lab Sample ID: MB 660-121306/1-A
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121306

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Naphthylamine	0.84	U	10	0.84	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Naphthylamine	1.0	U	10	1.0	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Nitroaniline	1.4	U	50	1.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
3-Nitroaniline	1.2	U	50	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Nitroaniline	1.4	U	50	1.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
Nitrobenzene	1.9	U	10	1.9	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Nitrophenol	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
4-Nitrophenol	6.2	U	50	6.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitro-o-toluidine	0.90	U	10	0.90	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosodiethylamine	1.5	U	10	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosodimethylamine	2.4	U	10	2.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosodi-n-butylamine	1.5	U	10	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosodi-n-propylamine	1.9	U	10	1.9	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosodiphenylamine	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosomethylethylamine	1.6	U	10	1.6	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosopiperidine	0.87	U	10	0.87	ug/L		02/23/12 09:26	02/27/12 14:05	1
N-Nitrosopyrrolidine	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
o,o',o"-Triethylphosphorothioate	1.8	U	10	1.8	ug/L		02/23/12 09:26	02/27/12 14:05	1
p-Dimethylamino azobenzene	0.67	U	10	0.67	ug/L		02/23/12 09:26	02/27/12 14:05	1
Pentachlorobenzene	0.99	U	10	0.99	ug/L		02/23/12 09:26	02/27/12 14:05	1
Pentachloronitrobenzene	1.5	U	10	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
Pentachlorophenol	1.5	U	15	1.5	ug/L		02/23/12 09:26	02/27/12 14:05	1
Phenacetin	0.84	U	10	0.84	ug/L		02/23/12 09:26	02/27/12 14:05	1
Phenol	2.4	U	4.0	2.4	ug/L		02/23/12 09:26	02/27/12 14:05	1
p-Phenylene diamine	3.1	U	2000	3.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
Pronamide	0.70	U	10	0.70	ug/L		02/23/12 09:26	02/27/12 14:05	1
Safrole, Total	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,2,4,5-Tetrachlorobenzene	1.1	U	10	1.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,3,4,6-Tetrachlorophenol	0.65	U	10	0.65	ug/L		02/23/12 09:26	02/27/12 14:05	1
2-Toluidine	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,2,4-Trichlorobenzene	1.2	U	10	1.2	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4,5-Trichlorophenol	2.1	U	10	2.1	ug/L		02/23/12 09:26	02/27/12 14:05	1
2,4,6-Trichlorophenol	1.9	U	10	1.9	ug/L		02/23/12 09:26	02/27/12 14:05	1
1,3,5-Trinitrobenzene	0.61	U	10	0.61	ug/L		02/23/12 09:26	02/27/12 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*36 - 124*	*02/23/12 09:26*	*02/27/12 14:05*	*1*
2-Fluorophenol	*53*		*29 - 121*	*02/23/12 09:26*	*02/27/12 14:05*	*1*
Nitrobenzene-d5	*76*		*34 - 130*	*02/23/12 09:26*	*02/27/12 14:05*	*1*
Phenol-d6 (Surr)	*44*		*25 - 128*	*02/23/12 09:26*	*02/27/12 14:05*	*1*
Terphenyl-d14	*91*		*14 - 148*	*02/23/12 09:26*	*02/27/12 14:05*	*1*
2,4,6-Tribromophenol	*72*		*29 - 143*	*02/23/12 09:26*	*02/27/12 14:05*	*1*

Lab Sample ID: LCS 660-121306/11-A
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	100	66.9		ug/L		67	10 - 150

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

Lab Sample ID: LCS 660-121306/11-A
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Acetylaminofluorene	100	80.9		ug/L		81	25 - 150
4-Aminobiphenyl	100	39.5		ug/L		40	10 - 150
Diallate	100	57.8		ug/L		58	10 - 150
2,6-Dichlorophenol	100	64.9		ug/L		65	10 - 150
7,12-Dimethylbenz(a)anthracene	100	55.6		ug/L		56	10 - 150
3,3'-Dimethylbenzidine	100	14	U J3	ug/L		3	10 - 150
Ethyl methanesulfonate	100	62.4		ug/L		62	10 - 150
Hexachloropropene	100	9.56	I	ug/L		10	10 - 150
Isosafrole	100	56.4		ug/L		56	10 - 150
Methapyrilene	100	115	I	ug/L		115	10 - 150
3-Methylcholanthrene	100	43.4		ug/L		43	30 - 130
Methyl methanesulfonate	100	50.6		ug/L		51	10 - 150
1,4-Naphthoquinone	100	41.9		ug/L		42	10 - 150
1-Naphthylamine	100	55.0		ug/L		55	10 - 150
2-Naphthylamine	100	51.2		ug/L		51	10 - 150
N-Nitro-o-toluidine	100	61.0		ug/L		61	10 - 150
N-Nitrosodiethylamine	100	71.5		ug/L		72	10 - 150
N-Nitrosodi-n-butylamine	100	66.8		ug/L		67	10 - 150
N-Nitrosomethylethylamine	100	68.6		ug/L		69	10 - 133
N-Nitrosopiperidine	100	70.1		ug/L		70	10 - 150
N-Nitrosopyrrolidine	100	69.0		ug/L		69	10 - 150
o,o',o"-Triethylphosphorothioate	100	63.2		ug/L		63	10 - 150
p-Dimethylamino azobenzene	100	64.0		ug/L		64	10 - 150
Pentachlorobenzene	100	52.6		ug/L		53	10 - 150
Pentachloronitrobenzene	100	56.4		ug/L		56	10 - 150
Phenacetin	100	75.0		ug/L		75	10 - 150
p-Phenylene diamine	100	3.1	U J3	ug/L		0	10 - 150
Pronamide	100	63.7		ug/L		64	10 - 150
Safrole, Total	100	59.2		ug/L		59	10 - 150
1,2,4,5-Tetrachlorobenzene	100	43.5		ug/L		43	10 - 150
2-Toluidine	100	39.1		ug/L		39	30 - 130
1,3,5-Trinitrobenzene	100	48.1		ug/L		48	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*36 - 124*
2-Fluorophenol	*62*		*29 - 121*
Nitrobenzene-d5	*77*		*34 - 130*
Phenol-d6 (Surr)	*57*		*25 - 128*
Terphenyl-d14	*105*		*14 - 148*
2,4,6-Tribromophenol	*79*		*29 - 143*

Lab Sample ID: LCS 660-121306/2-A
Matrix: Water
Analysis Batch: 121531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzyl alcohol	100	55.2		ug/L		55	26 - 130
Bis(2-chloroethoxy)methane	100	58.5		ug/L		58	39 - 132
Bis(2-chloroethyl)ether	100	46.6		ug/L		47	34 - 135

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

Lab Sample ID: LCS 660-121306/2-A
Matrix: Water
Analysis Batch: 121531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
bis(2 chloro-1-methylethyl) ether	100	59.6		ug/L		60	30 - 130
Bis(2-ethylhexyl) phthalate	100	87.4		ug/L		87	45 - 134
4-Bromophenyl phenyl ether	100	74.4		ug/L		74	46 - 130
Butyl benzyl phthalate	100	82.8		ug/L		83	43 - 135
4-Chloroaniline	100	30.3		ug/L		30	10 - 130
4-Chloro-3-methylphenol	100	67.5		ug/L		68	41 - 130
2-Chloronaphthalene	100	66.7		ug/L		67	45 - 130
2-Chlorophenol	100	58.3		ug/L		58	40 - 130
4-Chlorophenyl phenyl ether	100	71.2		ug/L		71	45 - 134
Dibenzofuran	100	70.2		ug/L		70	46 - 133
1,2-Dichlorobenzene	100	51.2		ug/L		51	35 - 130
1,3-Dichlorobenzene	100	48.8		ug/L		49	33 - 130
1,4-Dichlorobenzene	100	44.4		ug/L		44	38 - 130
3,3'-Dichlorobenzidine	200	138		ug/L		69	10 - 130
2,4-Dichlorophenol	100	64.5		ug/L		65	40 - 135
Diethyl phthalate	100	73.2		ug/L		73	50 - 132
2,4-Dimethylphenol	100	48.7		ug/L		49	44 - 130
Dimethyl phthalate	100	77.0		ug/L		77	52 - 132
Di-n-butyl phthalate	100	77.1		ug/L		77	50 - 130
1,3-Dinitrobenzene	100	67.1		ug/L		67	10 - 150
4,6-Dinitro-2-methylphenol	100	68.9		ug/L		69	32 - 134
2,4-Dinitrophenol	100	67.7		ug/L		68	10 - 150
2,4-Dinitrotoluene	100	79.3		ug/L		79	48 - 131
2,6-Dinitrotoluene	100	83.1		ug/L		83	54 - 132
Di-n-octyl phthalate	100	74.0		ug/L		74	37 - 136
Hexachlorobenzene	100	75.7		ug/L		76	35 - 136
Hexachlorobutadiene	100	41.4		ug/L		41	34 - 130
Hexachlorocyclopentadiene	100	15.7		ug/L		16	10 - 130
Hexachloroethane	100	35.3		ug/L		35	31 - 130
Isophorone	100	66.9		ug/L		67	46 - 150
2-Methylphenol	100	45.2		ug/L		45	40 - 130
3 & 4 Methylphenol	200	98.8		ug/L		49	48 - 130
2-Nitroaniline	100	75.5		ug/L		75	52 - 130
3-Nitroaniline	100	61.2		ug/L		61	25 - 130
4-Nitroaniline	100	71.2		ug/L		71	39 - 130
Nitrobenzene	100	65.4		ug/L		65	45 - 130
2-Nitrophenol	100	57.6		ug/L		58	44 - 134
4-Nitrophenol	100	52.8		ug/L		53	25 - 130
N-Nitrosodimethylamine	100	43.8		ug/L		44	24 - 130
N-Nitrosodi-n-propylamine	100	62.0		ug/L		62	37 - 130
N-Nitrosodiphenylamine	100	60.7		ug/L		61	28 - 139
Pentachlorophenol	100	70.6		ug/L		71	30 - 134
Phenol	100	42.7		ug/L		43	18 - 130
2,3,4,6-Tetrachlorophenol	100	69.6		ug/L		70	10 - 130
1,2,4-Trichlorobenzene	100	47.6		ug/L		48	39 - 130
2,4,5-Trichlorophenol	100	66.3		ug/L		66	48 - 130
2,4,6-Trichlorophenol	100	70.7		ug/L		71	47 - 131

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

Lab Sample ID: LCS 660-121306/2-A
Matrix: Water
Analysis Batch: 121531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121306

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*36 - 124*
2-Fluorophenol	*50*		*29 - 121*
Nitrobenzene-d5	*66*		*34 - 130*
Phenol-d6 (Surr)	*44*		*25 - 128*
Terphenyl-d14	*68*		*14 - 148*
2,4,6-Tribromophenol	*78*		*29 - 143*

Lab Sample ID: LCSD 660-121306/3-A
Matrix: Water
Analysis Batch: 121478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzyl alcohol	100	45.4		ug/L		45	26 - 130	20	35
Bis(2-chloroethoxy)methane	100	51.9		ug/L		52	39 - 132	12	35
Bis(2-chloroethyl)ether	100	51.9		ug/L		52	34 - 135	11	35
bis(2 chloro-1-methylethyl) ether	100	52.3		ug/L		52	30 - 130	13	35
Bis(2-ethylhexyl) phthalate	100	83.4		ug/L		83	45 - 134	5	35
4-Bromophenyl phenyl ether	100	75.7		ug/L		76	46 - 130	2	35
Butyl benzyl phthalate	100	78.2		ug/L		78	43 - 135	6	35
4-Chloroaniline	100	21.0	J3	ug/L		21	10 - 130	36	35
4-Chloro-3-methylphenol	100	66.0		ug/L		66	41 - 130	2	35
2-Chloronaphthalene	100	61.6		ug/L		62	45 - 130	8	35
2-Chlorophenol	100	51.7		ug/L		52	40 - 130	12	35
4-Chlorophenyl phenyl ether	100	74.7		ug/L		75	45 - 134	5	35
Dibenzofuran	100	71.5		ug/L		72	46 - 133	2	35
1,2-Dichlorobenzene	100	46.1		ug/L		46	35 - 130	10	35
1,3-Dichlorobenzene	100	44.5		ug/L		45	33 - 130	9	35
1,4-Dichlorobenzene	100	39.8		ug/L		40	38 - 130	11	35
3,3'-Dichlorobenzidine	200	140		ug/L		70	10 - 130	1	35
2,4-Dichlorophenol	100	56.7		ug/L		57	40 - 135	13	35
Diethyl phthalate	100	79.6		ug/L		80	50 - 132	8	35
2,4-Dimethylphenol	100	41.2	J3	ug/L		41	44 - 130	17	35
Dimethyl phthalate	100	82.3		ug/L		82	52 - 132	7	35
Di-n-butyl phthalate	100	80.1		ug/L		80	50 - 130	4	35
1,3-Dinitrobenzene	100	71.7		ug/L		72	10 - 150	7	35
4,6-Dinitro-2-methylphenol	100	80.7		ug/L		81	32 - 134	16	35
2,4-Dinitrophenol	100	79.3		ug/L		79	10 - 150	16	35
2,4-Dinitrotoluene	100	86.7		ug/L		87	48 - 131	9	35
2,6-Dinitrotoluene	100	89.6		ug/L		90	54 - 132	8	35
Di-n-octyl phthalate	100	81.3		ug/L		81	37 - 136	9	35
Hexachlorobenzene	100	79.5		ug/L		79	35 - 136	5	35
Hexachlorobutadiene	100	36.4		ug/L		36	34 - 130	13	35
Hexachlorocyclopentadiene	100	12.3		ug/L		12	10 - 130	24	35
Hexachloroethane	100	29.9	J3	ug/L		30	31 - 130	17	35
Isophorone	100	58.6		ug/L		59	46 - 150	13	35
2-Methylphenol	100	40.5		ug/L		40	40 - 130	11	35
3 & 4 Methylphenol	200	86.3	J3	ug/L		43	48 - 130	14	35
2-Nitroaniline	100	75.8		ug/L		76	52 - 130	0	35
3-Nitroaniline	100	60.5		ug/L		60	25 - 130	1	35

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

Lab Sample ID: LCSD 660-121306/3-A
Matrix: Water
Analysis Batch: 121478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitroaniline	100	70.1		ug/L		70	39 - 130	2	35
Nitrobenzene	100	57.9		ug/L		58	45 - 130	12	35
2-Nitrophenol	100	53.9		ug/L		54	44 - 134	7	35
4-Nitrophenol	100	56.0		ug/L		56	25 - 130	6	35
N-Nitrosodimethylamine	100	35.5		ug/L		36	24 - 130	21	35
N-Nitrosodi-n-propylamine	100	55.5		ug/L		55	37 - 130	11	35
N-Nitrosodiphenylamine	100	65.0		ug/L		65	28 - 139	7	35
Pentachlorophenol	100	79.2		ug/L		79	30 - 134	11	35
Phenol	100	31.8		ug/L		32	18 - 130	29	35
2,3,4,6-Tetrachlorophenol	100	73.9		ug/L		74	10 - 130	6	35
1,2,4-Trichlorobenzene	100	44.8		ug/L		45	39 - 130	6	35
2,4,5-Trichlorophenol	100	67.4		ug/L		67	48 - 130	2	35
2,4,6-Trichlorophenol	100	70.5		ug/L		70	47 - 131	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*36 - 124*
2-Fluorophenol	*39*		*29 - 121*
Nitrobenzene-d5	*57*		*34 - 130*
Phenol-d6 (Surr)	*35*		*25 - 128*
Terphenyl-d14	*70*		*14 - 148*
2,4,6-Tribromophenol	*81*		*29 - 143*

Lab Sample ID: 660-46254-3 MS
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Leachate Sump 001 WACS# 919
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetophenone	1.5	U	99.0	63.9		ug/L		65	10 - 150
2-Acetylaminofluorene	0.75	U	99.0	73.5		ug/L		74	25 - 150
4-Aminobiphenyl	0.79	U J3	99.0	0.80	U J3	ug/L		0	10 - 150
Diallate	1.4	U	99.0	54.2		ug/L		55	10 - 150
2,6-Dichlorophenol	1.6	U	99.0	50.2		ug/L		51	10 - 150
7,12-Dimethylbenz(a)anthracene	0.90	U	99.0	54.2		ug/L		55	10 - 150
3,3'-Dimethylbenzidine	14	U J3	99.0	14	U J3	ug/L		0	10 - 150
Ethyl methanesulfonate	1.3	U	99.0	59.0		ug/L		60	10 - 150
Hexachloropropene	0.65	U	99.0	15.1		ug/L		15	10 - 150
Isosafrole	1.6	U	99.0	59.0		ug/L		60	10 - 150
Methapyrilene	1.1	U J3	99.0	1.1	U J3	ug/L		0	10 - 150
3-Methylcholanthrene	0.55	U	99.0	42.1		ug/L		43	30 - 130
Methyl methanesulfonate	1.2	U	99.0	46.5		ug/L		47	10 - 150
1,4-Naphthoquinone	1.1	U	99.0	58.3		ug/L		59	10 - 150
1-Naphthylamine	0.82	U J3	99.0	1.49	I J3	ug/L		2	10 - 150
2-Naphthylamine	0.98	U J3	99.0	5.76	I J3	ug/L		6	10 - 150
N-Nitro-o-toluidine	0.88	U	99.0	39.8		ug/L		40	10 - 150
N-Nitrosodiethylamine	1.5	U	99.0	67.2		ug/L		68	10 - 150
N-Nitrosodi-n-butylamine	1.5	U	99.0	53.9		ug/L		54	10 - 150
N-Nitrosomethylethylamine	1.6	U	99.0	70.1		ug/L		71	10 - 133
N-Nitrosopiperidine	0.85	U	99.0	69.1		ug/L		70	10 - 150
N-Nitrosopyrrolidine	1.2	U	99.0	66.8		ug/L		68	10 - 150

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

Lab Sample ID: 660-46254-3 MS
Matrix: Water
Analysis Batch: 121523

Client Sample ID: Leachate Sump 001 WACS# 919
Prep Type: Total/NA
Prep Batch: 121306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	1.8	U	99.0	60.2		ug/L		61	10 - 150
p-Dimethylamino azobenzene	0.66	U	99.0	39.4		ug/L		40	10 - 150
Pentachlorobenzene	0.97	U	99.0	62.4		ug/L		63	10 - 150
Pentachloronitrobenzene	1.5	U	99.0	53.2		ug/L		54	10 - 150
Phenacetin	0.82	U	99.0	60.4		ug/L		61	10 - 150
p-Phenylene diamine	3.0	U J3	99.0	3.1	U J3	ug/L		0	10 - 150
Pronamide	0.69	U	99.0	55.3		ug/L		56	10 - 150
Safrole, Total	1.2	U	99.0	62.8		ug/L		63	10 - 150
1,2,4,5-Tetrachlorobenzene	1.1	U	99.0	56.1		ug/L		57	10 - 150
2-Toluidine	1.2	U	99.0	30.6		ug/L		31	30 - 130
1,3,5-Trinitrobenzene	0.60	U	99.0	22.8		ug/L		23	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*36 - 124*
2-Fluorophenol	*53*		*29 - 121*
Nitrobenzene-d5	*79*		*34 - 130*
Phenol-d6 (Surr)	*51*		*25 - 128*
Terphenyl-d14	*34*		*14 - 148*
2,4,6-Tribromophenol	*56*		*29 - 143*

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

Lab Sample ID: MB 660-121323/1-A
Matrix: Water
Analysis Batch: 121411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121323

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.50	U	2.0	0.50	ug/L		02/23/12 12:28	02/24/12 13:31	1
Acenaphthylene	0.25	U	1.0	0.25	ug/L		02/23/12 12:28	02/24/12 13:31	1
Anthracene	0.076	U	0.20	0.076	ug/L		02/23/12 12:28	02/24/12 13:31	1
Benzo[a]anthracene	0.050	U	0.20	0.050	ug/L		02/23/12 12:28	02/24/12 13:31	1
Benzo[a]pyrene	0.057	U	0.20	0.057	ug/L		02/23/12 12:28	02/24/12 13:31	1
Benzo[b]fluoranthene	0.050	U	0.20	0.050	ug/L		02/23/12 12:28	02/24/12 13:31	1
Benzo[g,h,i]perylene	0.10	U	0.50	0.10	ug/L		02/23/12 12:28	02/24/12 13:31	1
Benzo[k]fluoranthene	0.057	U	0.20	0.057	ug/L		02/23/12 12:28	02/24/12 13:31	1
Chrysene	0.069	U	0.20	0.069	ug/L		02/23/12 12:28	02/24/12 13:31	1
Dibenz(a,h)anthracene	0.050	U	0.20	0.050	ug/L		02/23/12 12:28	02/24/12 13:31	1
Fluoranthene	0.054	U	0.50	0.054	ug/L		02/23/12 12:28	02/24/12 13:31	1
Fluorene	0.50	U	2.0	0.50	ug/L		02/23/12 12:28	02/24/12 13:31	1
Indeno[1,2,3-cd]pyrene	0.050	U	0.20	0.050	ug/L		02/23/12 12:28	02/24/12 13:31	1
1-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		02/23/12 12:28	02/24/12 13:31	1
2-Methylnaphthalene	0.50	U	2.0	0.50	ug/L		02/23/12 12:28	02/24/12 13:31	1
Naphthalene	0.25	U	2.0	0.25	ug/L		02/23/12 12:28	02/24/12 13:31	1
Phenanthrene	0.20	U	0.50	0.20	ug/L		02/23/12 12:28	02/24/12 13:31	1
Pyrene	0.089	U	0.50	0.089	ug/L		02/23/12 12:28	02/24/12 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*30 - 130*	*02/23/12 12:28*	*02/24/12 13:31*	*1*

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

Lab Sample ID: LCS 660-121323/2-A
Matrix: Water
Analysis Batch: 121411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	7.66		ug/L		77	55 - 132
Acenaphthylene	10.0	8.30		ug/L		83	39 - 130
Anthracene	10.0	5.85		ug/L		58	39 - 130
Benzo[a]anthracene	10.0	7.83		ug/L		78	54 - 135
Benzo[a]pyrene	10.0	6.23		ug/L		62	21 - 130
Benzo[b]fluoranthene	10.0	7.33		ug/L		73	37 - 130
Benzo[g,h,i]perylene	10.0	6.99		ug/L		70	26 - 130
Benzo[k]fluoranthene	10.0	7.36		ug/L		74	38 - 130
Chrysene	10.0	7.00		ug/L		70	56 - 130
Dibenz(a,h)anthracene	10.0	7.49		ug/L		75	13 - 130
Fluoranthene	10.0	7.51		ug/L		75	60 - 130
Fluorene	10.0	6.75		ug/L		67	55 - 140
Indeno[1,2,3-cd]pyrene	10.0	6.66		ug/L		67	21 - 130
1-Methylnaphthalene	10.0	6.72		ug/L		67	49 - 130
2-Methylnaphthalene	10.0	6.55		ug/L		65	48 - 130
Naphthalene	10.0	6.93		ug/L		69	54 - 133
Phenanthrene	10.0	7.06		ug/L		71	60 - 136
Pyrene	10.0	8.27		ug/L		83	60 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*71*		*30 - 130*

Lab Sample ID: 660-46254-3 MS
Matrix: Water
Analysis Batch: 121411

Client Sample ID: Leachate Sump 001 WACS# 919
Prep Type: Total/NA
Prep Batch: 121323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.48	U	9.52	5.65		ug/L		59	55 - 132
Acenaphthylene	0.24	U	9.52	6.00		ug/L		63	39 - 130
Anthracene	0.072	U J3	9.52	3.64	J3	ug/L		38	39 - 130
Benzo[a]anthracene	0.048	U J3	9.52	3.16	J3	ug/L		33	54 - 135
Benzo[a]pyrene	0.054	U	9.52	2.63		ug/L		28	21 - 130
Benzo[b]fluoranthene	0.048	U J3	9.52	2.48	J3	ug/L		26	37 - 130
Benzo[g,h,i]perylene	0.095	U	9.52	2.76		ug/L		29	26 - 130
Benzo[k]fluoranthene	0.054	U J3	9.52	2.20	J3	ug/L		23	38 - 130
Chrysene	0.066	U J3	9.52	2.49	J3	ug/L		26	56 - 130
Dibenz(a,h)anthracene	0.048	U	9.52	3.09		ug/L		32	13 - 130
Fluoranthene	0.051	U J3	9.52	4.04	J3	ug/L		42	60 - 130
Fluorene	0.48	U J3	9.52	4.51	J3	ug/L		47	55 - 140
Indeno[1,2,3-cd]pyrene	0.048	U	9.52	2.78		ug/L		29	21 - 130
1-Methylnaphthalene	0.48	U	9.52	4.73		ug/L		50	49 - 130
2-Methylnaphthalene	0.48	U	9.52	5.63		ug/L		59	48 - 130
Naphthalene	3.6		9.52	9.53		ug/L		62	54 - 133
Phenanthrene	0.19	U J3	9.52	3.70	J3	ug/L		39	60 - 136
Pyrene	0.085	U J3	9.52	3.74	J3	ug/L		39	60 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*49*		*30 - 130*

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

Lab Sample ID: 660-46253-B-2-B DU
Matrix: Water
Analysis Batch: 121411

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 121323

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acenaphthene	0.73	I	0.47	U	ug/L		NC	35
Acenaphthylene	0.24	U	0.24	U	ug/L		NC	35
Anthracene	0.072	U	0.072	U	ug/L		NC	35
Benzo[a]anthracene	0.047	U	0.047	U	ug/L		NC	35
Benzo[a]pyrene	0.054	U	0.054	U	ug/L		NC	35
Benzo[b]fluoranthene	0.047	U	0.047	U	ug/L		NC	35
Benzo[g,h,i]perylene	0.095	U	0.095	U	ug/L		NC	35
Benzo[k]fluoranthene	0.054	U	0.054	U	ug/L		NC	35
Chrysene	0.065	U	0.065	U	ug/L		NC	35
Dibenz(a,h)anthracene	0.047	U	0.047	U	ug/L		NC	35
Fluoranthene	0.051	U	0.051	U	ug/L		NC	35
Fluorene	1.4	I	1.67	I	ug/L		14	35
Indeno[1,2,3-cd]pyrene	0.047	U	0.047	U	ug/L		NC	35
1-Methylnaphthalene	32		28.5		ug/L		11	35
2-Methylnaphthalene	30		26.3		ug/L		13	35
Naphthalene	27		24.2		ug/L		10	35
Phenanthrene	1.3		1.07		ug/L		17	35
Pyrene	0.084	U	0.084	U	ug/L		NC	35

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*50*		*30 - 130*

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

Lab Sample ID: 660-46254-11 DU
Matrix: Water
Analysis Batch: 121468

Client Sample ID: TH-71A WACS# 22960
Prep Type: Total/NA
Prep Batch: 121408

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0095		0.0099	U	ug/L		NC	40
Ethylene Dibromide	0.0095		0.0099	U	ug/L		NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*98*		*60 - 140*

Lab Sample ID: MB 660-121462/1-A
Matrix: Water
Analysis Batch: 121537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121462

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		02/28/12 11:01	02/28/12 14:18	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/28/12 11:01	02/28/12 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*87*		*60 - 140*	*02/28/12 11:01*	*02/28/12 14:18*	*1*

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

Lab Sample ID: LCS 660-121462/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121537 — **Prep Batch: 121462**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.251	0.211		ug/L		84	70 - 130
Ethylene Dibromide	0.251	0.250		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*78*		*60 - 140*

Lab Sample ID: 660-46229-1 MS — **Client Sample ID: TH-61A WACS# 22595**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121537 — **Prep Batch: 121462**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.010		0.251	0.173	J3	ug/L		69	70 - 130
Ethylene Dibromide	0.010		0.251	0.229		ug/L		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*66*		*60 - 140*

Lab Sample ID: 660-46229-2 DU — **Client Sample ID: TH-64 WACS# 20494**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121537 — **Prep Batch: 121462**

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

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*80*		*60 - 140*

Lab Sample ID: 660-46229-11 DU — **Client Sample ID: TH-66A WACS# 22961**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121537 — **Prep Batch: 121462**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.010		0.011	U	ug/L		NC	40
Ethylene Dibromide	0.010		0.011	U	ug/L		NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*100*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 660-121274/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121317 — **Prep Batch: 121274**

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		02/22/12 11:17	02/22/12 13:31	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/22/12 11:17	02/22/12 13:31	1

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

Lab Sample ID: MB 660-121274/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121317 — **Prep Batch: 121274**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	92		60 - 140	02/22/12 11:17	02/22/12 13:31	1

Lab Sample ID: LCS 660-121274/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121317 — **Prep Batch: 121274**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.252	0.189		ug/L		75	70 - 130
Ethylene Dibromide	0.252	0.213		ug/L		84	70 - 130

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

Lab Sample ID: 660-46215-1 MS — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121317 — **Prep Batch: 121274**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.010		0.246	0.188		ug/L		76	70 - 130
Ethylene Dibromide	0.010		0.246	0.209		ug/L		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1,1,1,2-Tetrachloroethane	77		60 - 140

Lab Sample ID: 660-46215-2 DU — **Client Sample ID: Blank, Equipment Private Wells 46215**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121317 — **Prep Batch: 121274**

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

Surrogate	DU %Recovery	DU Qualifier	Limits
1,1,1,2-Tetrachloroethane	101		60 - 140

Lab Sample ID: MB 660-121408/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121468 — **Prep Batch: 121408**

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		02/27/12 10:10	02/27/12 13:59	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		02/27/12 10:10	02/27/12 13:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	80		60 - 140	02/27/12 10:10	02/27/12 13:59	1

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

Lab Sample ID: LCS 660-121408/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121468 — **Prep Batch: 121408**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.252	0.187		ug/L		74	70 - 130
Ethylene Dibromide	0.252	0.239		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*71*		*60 - 140*

Lab Sample ID: 660-46254-1 MS — **Client Sample ID: Leachate Sump 007 WACS# 20495**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121468 — **Prep Batch: 121408**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.060	U J3	0.234	0.109	J3	ug/L		46	70 - 130
Ethylene Dibromide	0.010		0.234	0.0829	J3	ug/L		35	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*34*	*J1*	*60 - 140*

Lab Sample ID: 660-46254-2 DU — **Client Sample ID: Leachate Sump 009 WACS# 22599**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121468 — **Prep Batch: 121408**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0093	U	0.0097	U	ug/L		NC	40
Ethylene Dibromide	0.0093	U	0.0097	U	ug/L		NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*76*		*60 - 140*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 660-121444/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0018	U	0.050	0.0018	ug/L		02/28/12 06:56	02/28/12 13:12	1
alpha-BHC	0.0028	U	0.050	0.0028	ug/L		02/28/12 06:56	02/28/12 13:12	1
beta-BHC	0.0027	U	0.050	0.0027	ug/L		02/28/12 06:56	02/28/12 13:12	1
Chlordane (technical)	0.057	U	0.50	0.057	ug/L		02/28/12 06:56	02/28/12 13:12	1
Chlorobenzilate	0.075	U	0.50	0.075	ug/L		02/28/12 06:56	02/28/12 13:12	1
4,4'-DDD	0.0041	U	0.050	0.0041	ug/L		02/28/12 06:56	02/28/12 13:12	1
4,4'-DDE	0.0055	U	0.050	0.0055	ug/L		02/28/12 06:56	02/28/12 13:12	1
4,4'-DDT	0.0032	U	0.050	0.0032	ug/L		02/28/12 06:56	02/28/12 13:12	1
delta-BHC	0.0028	U	0.050	0.0028	ug/L		02/28/12 06:56	02/28/12 13:12	1
Dieldrin	0.0014	U	0.050	0.0014	ug/L		02/28/12 06:56	02/28/12 13:12	1
Endosulfan I	0.0034	U	0.050	0.0034	ug/L		02/28/12 06:56	02/28/12 13:12	1
Endosulfan II	0.0033	U	0.050	0.0033	ug/L		02/28/12 06:56	02/28/12 13:12	1
Endosulfan sulfate	0.0030	U	0.050	0.0030	ug/L		02/28/12 06:56	02/28/12 13:12	1

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

Lab Sample ID: MB 660-121444/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 13:12	1
Endrin aldehyde	0.0032	U	0.050	0.0032	ug/L		02/28/12 06:56	02/28/12 13:12	1
gamma-BHC (Lindane)	0.0026	U	0.050	0.0026	ug/L		02/28/12 06:56	02/28/12 13:12	1
Heptachlor	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 13:12	1
Heptachlor epoxide	0.0031	U	0.050	0.0031	ug/L		02/28/12 06:56	02/28/12 13:12	1
Isodrin	0.0061	U	0.050	0.0061	ug/L		02/28/12 06:56	02/28/12 13:12	1
Methoxychlor	0.0051	U	0.050	0.0051	ug/L		02/28/12 06:56	02/28/12 13:12	1
Toxaphene	0.72	U	5.0	0.72	ug/L		02/28/12 06:56	02/28/12 13:12	1
Kepone	0.083	U	0.50	0.083	ug/L		02/28/12 06:56	02/28/12 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*30 - 150*	*02/28/12 06:56*	*02/28/12 13:12*	*1*
Tetrachloro-m-xylene	*72*		*30 - 150*	*02/28/12 06:56*	*02/28/12 13:12*	*1*

Lab Sample ID: LCS 660-121444/18-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	5.00	3.67		ug/L		73	30 - 130
Isodrin	0.500	0.332		ug/L		66	30 - 130
Kepone	0.500	0.110	I	ug/L		22	10 - 130

Lab Sample ID: LCS 660-121444/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.328		ug/L		66	35 - 130
alpha-BHC	0.500	0.448		ug/L		90	56 - 130
beta-BHC	0.500	0.455		ug/L		91	52 - 130
4,4'-DDD	0.500	0.441		ug/L		88	51 - 130
4,4'-DDE	0.500	0.419		ug/L		84	50 - 130
4,4'-DDT	0.500	0.426		ug/L		85	46 - 130
delta-BHC	0.500	0.453		ug/L		91	42 - 130
Dieldrin	0.500	0.461		ug/L		92	51 - 130
Endosulfan I	0.500	0.378		ug/L		76	40 - 130
Endosulfan II	0.500	0.395		ug/L		79	48 - 130
Endosulfan sulfate	0.500	0.448		ug/L		90	43 - 130
Endrin	0.500	0.482		ug/L		96	53 - 130
Endrin aldehyde	0.500	0.482		ug/L		96	30 - 155
gamma-BHC (Lindane)	0.500	0.457		ug/L		91	55 - 130
Heptachlor	0.500	0.476		ug/L		95	38 - 130
Heptachlor epoxide	0.500	0.453		ug/L		91	53 - 130
Methoxychlor	0.500	0.441		ug/L		88	44 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*30 - 150*
Tetrachloro-m-xylene	*75*		*30 - 150*

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

Lab Sample ID: LCSD 660-121444/19-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzilate	5.00	4.00		ug/L		80	30 - 130	8	35
Isodrin	0.500	0.372		ug/L		74	30 - 130	11	35
Kepone	0.500	0.122	I	ug/L		24	10 - 130	11	35

Lab Sample ID: 660-46254-1 MS — **Client Sample ID: Leachate Sump 007 WACS# 20495**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzilate	0.074		4.81	3.68		ug/L		77	30 - 130
Isodrin	0.0060		0.481	0.249		ug/L		52	30 - 130
Kepone	0.082		0.481	0.080	U J3	ug/L		0	10 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*18*	*J1*	*30 - 150*
Tetrachloro-m-xylene	*58*		*30 - 150*

Lab Sample ID: 660-46300-A-2-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121527 — **Prep Batch: 121444**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0017		0.481	0.403		ug/L		84	35 - 130
alpha-BHC	0.14		0.481	0.554		ug/L		87	56 - 130
beta-BHC	0.058		0.481	0.481		ug/L		88	52 - 130
4,4'-DDD	0.0039		0.481	0.480		ug/L		100	51 - 130
4,4'-DDE	0.0052		0.481	0.418		ug/L		87	50 - 130
4,4'-DDT	0.0030		0.481	0.420		ug/L		87	46 - 130
delta-BHC	0.0027		0.481	0.469		ug/L		98	42 - 130
Dieldrin	0.0013		0.481	0.441		ug/L		92	51 - 130
Endosulfan I	0.0032		0.481	0.358		ug/L		74	40 - 130
Endosulfan II	0.0031		0.481	0.388		ug/L		81	48 - 130
Endosulfan sulfate	0.0029		0.481	0.431		ug/L		90	43 - 130
Endrin	0.0030		0.481	0.463		ug/L		96	53 - 130
Endrin aldehyde	0.0030		0.481	0.459		ug/L		95	30 - 155
gamma-BHC (Lindane)	0.027	I	0.481	0.445		ug/L		87	55 - 130
Heptachlor	0.0030		0.481	0.363		ug/L		75	38 - 130
Heptachlor epoxide	0.0030		0.481	0.452		ug/L		94	53 - 130
Methoxychlor	0.0049		0.481	0.421		ug/L		88	44 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*30 - 150*
Tetrachloro-m-xylene	*67*		*30 - 150*

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

Lab Sample ID: 660-46300-D-2-A MSD
Matrix: Water
Analysis Batch: 121527

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 121444

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0017		0.476	0.373		ug/L		78	35 - 130	8	30
alpha-BHC	0.14		0.476	0.509		ug/L		78	56 - 130	8	26
beta-BHC	0.058		0.476	0.439		ug/L		80	52 - 130	9	27
4,4'-DDD	0.0039		0.476	0.424		ug/L		89	51 - 130	12	27
4,4'-DDE	0.0052		0.476	0.369		ug/L		78	50 - 130	12	27
4,4'-DDT	0.0030		0.476	0.375		ug/L		79	46 - 130	11	26
delta-BHC	0.0027		0.476	0.415		ug/L		87	42 - 130	12	27
Dieldrin	0.0013		0.476	0.400		ug/L		84	51 - 130	10	26
Endosulfan I	0.0032		0.476	0.324		ug/L		68	40 - 130	10	33
Endosulfan II	0.0031		0.476	0.360		ug/L		76	48 - 130	8	31
Endosulfan sulfate	0.0029		0.476	0.386		ug/L		81	43 - 130	11	35
Endrin	0.0030		0.476	0.427		ug/L		90	53 - 130	8	27
Endrin aldehyde	0.0030		0.476	0.416		ug/L		87	30 - 155	10	33
gamma-BHC (Lindane)	0.027	I	0.476	0.412		ug/L		81	55 - 130	8	24
Heptachlor	0.0030		0.476	0.318		ug/L		67	38 - 130	13	27
Heptachlor epoxide	0.0030		0.476	0.400		ug/L		84	53 - 130	12	29
Methoxychlor	0.0049		0.476	0.362		ug/L		76	44 - 138	15	31

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*30 - 150*
Tetrachloro-m-xylene	*62*		*30 - 150*

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

Lab Sample ID: MB 660-121444/1-A
Matrix: Water
Analysis Batch: 121521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121444

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.50	0.26	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1221	0.15	U	0.50	0.15	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1232	0.38	U	0.50	0.38	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1242	0.23	U	0.50	0.23	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1248	0.13	U	0.50	0.13	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1254	0.12	U	0.50	0.12	ug/L		02/28/12 06:56	02/28/12 14:48	1
PCB-1260	0.32	U	0.50	0.32	ug/L		02/28/12 06:56	02/28/12 14:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*30 - 150*	*02/28/12 06:56*	*02/28/12 14:48*	*1*
Tetrachloro-m-xylene	*59*		*30 - 150*	*02/28/12 06:56*	*02/28/12 14:48*	*1*

Lab Sample ID: LCS 660-121444/3-A
Matrix: Water
Analysis Batch: 121521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	5.00	2.73		ug/L		55	34 - 130
PCB-1260	5.00	2.66		ug/L		53	45 - 130

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

Lab Sample ID: LCS 660-121444/3-A
Matrix: Water
Analysis Batch: 121521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121444

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	55		30 - 150
Tetrachloro-m-xylene	61		30 - 150

Lab Sample ID: 660-46254-2 MS
Matrix: Water
Analysis Batch: 121550

Client Sample ID: Leachate Sump 009 WACS# 22599
Prep Type: Total/NA
Prep Batch: 121444

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Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.27		4.81	2.33		ug/L		48	34 - 130
PCB-1260	0.33		4.81	1.44	J3	ug/L		30	45 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	18	J1	30 - 150
Tetrachloro-m-xylene	58		30 - 150

Lab Sample ID: 660-46254-3 DU
Matrix: Water
Analysis Batch: 121550

Client Sample ID: Leachate Sump 001 WACS# 919
Prep Type: Total/NA
Prep Batch: 121444

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
PCB-1016	0.25		0.25	U	ug/L		NC	34
PCB-1221	0.14		0.14	U	ug/L		NC	110
PCB-1232	0.37		0.36	U	ug/L		NC	86
PCB-1242	0.22		0.22	U	ug/L		NC	74
PCB-1248	0.13		0.12	U	ug/L		NC	30
PCB-1254	0.12		0.11	U	ug/L		NC	39
PCB-1260	0.31		0.30	U	ug/L		NC	34

Surrogate	DU %Recovery	DU Qualifier	Limits
DCB Decachlorobiphenyl	29	J1	30 - 150
Tetrachloro-m-xylene	57		30 - 150

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 640-90103/1-A
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90103

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	0.32	U	2.0	0.32	ug/L		02/27/12 12:23	03/02/12 14:03	1
Disulfoton	0.12	U	2.0	0.12	ug/L		02/27/12 12:23	03/02/12 14:03	1
Famphur	0.11	U	2.0	0.11	ug/L		02/27/12 12:23	03/02/12 14:03	1
Methyl parathion	0.12	U	0.50	0.12	ug/L		02/27/12 12:23	03/02/12 14:03	1
Parathion	0.080	U	1.0	0.080	ug/L		02/27/12 12:23	03/02/12 14:03	1
Phorate	0.16	U	1.0	0.16	ug/L		02/27/12 12:23	03/02/12 14:03	1
Thionazin	0.061	U	1.0	0.061	ug/L		02/27/12 12:23	03/02/12 14:03	1

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

Lab Sample ID: MB 640-90103/1-A
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90103

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	117		37 - 139	02/27/12 12:23	03/02/12 14:03	1

Lab Sample ID: LCS 640-90103/2-A
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90103

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Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Famphur	2.50	2.62		ug/L		105	50 - 130
Methyl parathion	2.50	2.45		ug/L		98	43 - 140
Parathion	2.50	2.55		ug/L		102	49 - 134
Phorate	2.50	1.68		ug/L		67	50 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	107		37 - 139

Lab Sample ID: LCSD 640-90103/3-A
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Famphur	2.50	2.79		ug/L		112	50 - 130	6	30
Methyl parathion	2.50	2.81		ug/L		113	43 - 140	14	30
Parathion	2.50	2.89		ug/L		116	49 - 134	12	30
Phorate	2.50	2.03		ug/L		81	50 - 130	19	30

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

Lab Sample ID: 660-46254-1 MS
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Leachate Sump 007 WACS# 20495
Prep Type: Total/NA
Prep Batch: 90103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Famphur	0.11		2.50	1.81	I	ug/L		72	50 - 130
Methyl parathion	0.12		2.50	2.64		ug/L		105	32 - 137
Parathion	0.080		2.50	2.61		ug/L		104	32 - 138
Phorate	0.16		2.50	1.67		ug/L		67	50 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	94		37 - 139

Lab Sample ID: 660-46254-1 MSD
Matrix: Water
Analysis Batch: 90319

Client Sample ID: Leachate Sump 007 WACS# 20495
Prep Type: Total/NA
Prep Batch: 90103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Famphur	0.11		2.50	1.62	I	ug/L		65	50 - 130	11	30
Methyl parathion	0.12		2.50	2.37		ug/L		95	32 - 137	11	48
Parathion	0.080		2.50	2.31		ug/L		92	32 - 138	12	44

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

Lab Sample ID: 660-46254-1 MSD — **Client Sample ID: Leachate Sump 007 WACS# 20495**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90319 — **Prep Batch: 90103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phorate	0.16		2.50	1.61		ug/L		64	50 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Triphenylphosphate	*84*		*37 - 139*

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Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-230074/14-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230412 — **Prep Batch: 230074**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.062	U	0.50	0.062	ug/L		02/27/12 08:19	02/29/12 00:49	1
2,4-D	0.037	U	0.50	0.037	ug/L		02/27/12 08:19	02/29/12 00:49	1
Dinoseb	0.16	U	6.0	0.16	ug/L		02/27/12 08:19	02/29/12 00:49	1
Silvex (2,4,5-TP)	0.062	U	0.50	0.062	ug/L		02/27/12 08:19	02/29/12 00:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*52 - 151*	*02/27/12 08:19*	*02/29/12 00:49*	*1*

Lab Sample ID: LCS 680-230074/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230412 — **Prep Batch: 230074**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	2.00	1.39		ug/L		70	59 - 130
2,4-D	2.00	1.60		ug/L		80	63 - 130
Dinoseb	2.00	1.01	I	ug/L		50	10 - 130
Silvex (2,4,5-TP)	2.00	1.34		ug/L		67	64 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*79*		*52 - 151*

Lab Sample ID: 680-77071-A-1-J MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 230412 — **Prep Batch: 230074**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	6.2		200	102	J3	ug/L		51	59 - 130
2,4-D	3.7		200	137		ug/L		68	63 - 130
Dinoseb	16		200	107	I	ug/L		54	10 - 130
Silvex (2,4,5-TP)	6.2		200	118	J3	ug/L		59	64 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*65*		*52 - 151*

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

Lab Sample ID: 680-77071-A-1-K MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 230412 — **Prep Batch: 230074**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	6.2		200	115	J3	ug/L		57	59 - 130	12	50
2,4-D	3.7		200	143		ug/L		72	63 - 130	5	50
Dinoseb	16		200	100	I	ug/L		50	10 - 130	7	50
Silvex (2,4,5-TP)	6.2		200	118	J3	ug/L		59	64 - 130	0	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*69*		*52 - 151*

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Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 660-121211/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 121284 — **Prep Batch: 121211**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	50	U	200	50	ug/L		02/21/12 10:50	02/22/12 12:00	1

Lab Sample ID: LCS 660-121211/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 121284 — **Prep Batch: 121211**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1000	1040		ug/L		104	85 - 115

Lab Sample ID: 660-46215-A-9-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 121284 — **Prep Batch: 121211**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	340		1000	1390		ug/L		105	85 - 115

Lab Sample ID: 660-46215-A-9-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 121284 — **Prep Batch: 121211**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	340		1000	1390		ug/L		105	85 - 115	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-229755/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 229984 — **Prep Batch: 229755**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/22/12 14:17	02/23/12 13:52	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/22/12 14:17	02/23/12 13:52	1
Barium	1.3	U	5.0	1.3	ug/L		02/22/12 14:17	02/23/12 13:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/22/12 14:17	02/23/12 13:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/22/12 14:17	02/23/12 13:52	1

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

Lab Sample ID: MB 680-229755/1-A
Matrix: Water
Analysis Batch: 229984

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 229755

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	2.5	U	5.0	2.5	ug/L		02/22/12 14:17	02/23/12 13:52	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/22/12 14:17	02/23/12 13:52	1
Copper	1.1	U	5.0	1.1	ug/L		02/22/12 14:17	02/23/12 13:52	1
Iron	33	U	100	33	ug/L		02/22/12 14:17	02/23/12 13:52	1
Lead	0.20	U	1.5	0.20	ug/L		02/22/12 14:17	02/23/12 13:52	1
Nickel	2.0	U	5.0	2.0	ug/L		02/22/12 14:17	02/23/12 13:52	1
Selenium	1.0	U	2.5	1.0	ug/L		02/22/12 14:17	02/23/12 13:52	1
Silver	0.25	U	1.0	0.25	ug/L		02/22/12 14:17	02/23/12 13:52	1
Thallium	0.50	U	1.0	0.50	ug/L		02/22/12 14:17	02/23/12 13:52	1
Vanadium	3.8	U	10	3.8	ug/L		02/22/12 14:17	02/23/12 13:52	1
Zinc	8.3	U	20	8.3	ug/L		02/22/12 14:17	02/23/12 13:52	1

Lab Sample ID: LCS 680-229755/2-A
Matrix: Water
Analysis Batch: 229984

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 229755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.8		ug/L		102	75 - 125
Arsenic	100	89.5		ug/L		89	75 - 125
Barium	100	99.8		ug/L		100	75 - 125
Beryllium	50.0	47.4		ug/L		95	75 - 125
Cadmium	50.0	50.0		ug/L		100	75 - 125
Chromium	100	95.8		ug/L		96	75 - 125
Cobalt	50.0	48.0		ug/L		96	75 - 125
Copper	100	97.5		ug/L		98	75 - 125
Iron	5000	5080		ug/L		102	75 - 125
Lead	50.0	50.7		ug/L		101	75 - 125
Nickel	100	98.1		ug/L		98	75 - 125
Selenium	100	98.8		ug/L		99	75 - 125
Silver	50.0	49.5		ug/L		99	75 - 125
Thallium	40.0	39.0		ug/L		98	75 - 125
Vanadium	100	95.0		ug/L		95	75 - 125
Zinc	100	99.1		ug/L		99	75 - 125

Lab Sample ID: 660-46215-8 MS
Matrix: Water
Analysis Batch: 229984

Client Sample ID: Mine Cut #1D WACS# 834
Prep Type: Total Recoverable
Prep Batch: 229755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	50.9		ug/L		102	75 - 125
Arsenic	1.3	U	100	89.8		ug/L		90	75 - 125
Barium	6.3		100	105		ug/L		99	75 - 125
Beryllium	0.25	U	50.0	46.6		ug/L		93	75 - 125
Cadmium	0.095	U	50.0	49.7		ug/L		99	75 - 125
Chromium	2.5	U	100	94.4		ug/L		94	75 - 125
Cobalt	0.17	I	50.0	47.1		ug/L		94	75 - 125
Copper	1.1	U	100	94.4		ug/L		94	75 - 125
Iron	260		5000	5030		ug/L		95	75 - 125
Lead	0.22	I	50.0	50.0		ug/L		100	75 - 125
Nickel	2.0	U	100	94.1		ug/L		94	75 - 125

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

Lab Sample ID: 660-46215-8 MS
Matrix: Water
Analysis Batch: 229984

Client Sample ID: Mine Cut #1D WACS# 834
Prep Type: Total Recoverable
Prep Batch: 229755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	1.0	U	100	96.4		ug/L		96	75 - 125
Silver	0.25	U	50.0	48.1		ug/L		96	75 - 125
Thallium	0.50	U	40.0	38.3		ug/L		96	75 - 125
Vanadium	4.4	I	100	98.7		ug/L		94	75 - 125
Zinc	8.3	U	100	99.2		ug/L		99	75 - 125

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Lab Sample ID: 660-46215-8 MSD
Matrix: Water
Analysis Batch: 229984

Client Sample ID: Mine Cut #1D WACS# 834
Prep Type: Total Recoverable
Prep Batch: 229755

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	49.7		ug/L		99	75 - 125	2	20
Arsenic	1.3	U	100	88.5		ug/L		88	75 - 125	2	20
Barium	6.3		100	103		ug/L		97	75 - 125	2	20
Beryllium	0.25	U	50.0	46.1		ug/L		92	75 - 125	1	20
Cadmium	0.095	U	50.0	47.8		ug/L		96	75 - 125	4	20
Chromium	2.5	U	100	93.0		ug/L		93	75 - 125	1	20
Cobalt	0.17	I	50.0	47.4		ug/L		94	75 - 125	1	20
Copper	1.1	U	100	92.6		ug/L		93	75 - 125	2	20
Iron	260		5000	4920		ug/L		93	75 - 125	2	20
Lead	0.22	I	50.0	48.6		ug/L		97	75 - 125	3	20
Nickel	2.0	U	100	92.9		ug/L		93	75 - 125	1	20
Selenium	1.0	U	100	94.9		ug/L		95	75 - 125	2	20
Silver	0.25	U	50.0	47.5		ug/L		95	75 - 125	1	20
Thallium	0.50	U	40.0	37.6		ug/L		94	75 - 125	2	20
Vanadium	4.4	I	100	96.1		ug/L		92	75 - 125	3	20
Zinc	8.3	U	100	99.8		ug/L		100	75 - 125	1	20

Lab Sample ID: MB 680-229909/1-A
Matrix: Water
Analysis Batch: 230091

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 229909

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/23/12 16:58	02/25/12 10:59	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/23/12 16:58	02/25/12 10:59	1
Barium	1.92	I	5.0	1.3	ug/L		02/23/12 16:58	02/25/12 10:59	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/23/12 16:58	02/25/12 10:59	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/23/12 16:58	02/25/12 10:59	1
Chromium	2.5	U	5.0	2.5	ug/L		02/23/12 16:58	02/25/12 10:59	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/23/12 16:58	02/25/12 10:59	1
Copper	1.1	U	5.0	1.1	ug/L		02/23/12 16:58	02/25/12 10:59	1
Iron	33	U	100	33	ug/L		02/23/12 16:58	02/25/12 10:59	1
Lead	0.20	U	1.5	0.20	ug/L		02/23/12 16:58	02/25/12 10:59	1
Nickel	2.0	U	5.0	2.0	ug/L		02/23/12 16:58	02/25/12 10:59	1
Selenium	1.0	U	2.5	1.0	ug/L		02/23/12 16:58	02/25/12 10:59	1
Sodium	0.25	U	0.50	0.25	mg/L		02/23/12 16:58	02/25/12 10:59	1
Silver	0.25	U	1.0	0.25	ug/L		02/23/12 16:58	02/25/12 10:59	1
Thallium	0.50	U	1.0	0.50	ug/L		02/23/12 16:58	02/25/12 10:59	1
Vanadium	3.8	U	10	3.8	ug/L		02/23/12 16:58	02/25/12 10:59	1
Zinc	8.3	U	20	8.3	ug/L		02/23/12 16:58	02/25/12 10:59	1

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

Lab Sample ID: LCS 680-229909/2-A
Matrix: Water
Analysis Batch: 230091

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 229909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	59.5		ug/L		119	75 - 125
Arsenic	100	100		ug/L		100	75 - 125
Barium	100	111		ug/L		111	75 - 125
Beryllium	50.0	53.4		ug/L		107	75 - 125
Cadmium	50.0	53.1		ug/L		106	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	57.0		ug/L		114	75 - 125
Copper	100	105		ug/L		105	75 - 125
Iron	5000	5620		ug/L		112	75 - 125
Lead	50.0	57.9		ug/L		116	75 - 125
Nickel	100	105		ug/L		105	75 - 125
Selenium	100	93.3		ug/L		93	75 - 125
Sodium	5.00	5.34		mg/L		107	75 - 125
Silver	50.0	57.4		ug/L		115	75 - 125
Thallium	40.0	43.9		ug/L		110	75 - 125
Vanadium	100	102		ug/L		102	75 - 125
Zinc	100	102		ug/L		102	75 - 125

Lab Sample ID: 660-46229-10 MS
Matrix: Water
Analysis Batch: 230091

Client Sample ID: Duplicate 1 46229
Prep Type: Total Recoverable
Prep Batch: 229909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	54.2		ug/L		108	75 - 125
Arsenic	2.7		100	98.3		ug/L		96	75 - 125
Barium	1.3	U	100	113		ug/L		113	75 - 125
Beryllium	0.25	U	50.0	50.2		ug/L		100	75 - 125
Cadmium	0.095	U	50.0	49.6		ug/L		99	75 - 125
Chromium	2.5	U	100	105		ug/L		105	75 - 125
Cobalt	0.75		50.0	54.0		ug/L		106	75 - 125
Copper	1.1	U	100	102		ug/L		102	75 - 125
Iron	2300		5000	7660		ug/L		108	75 - 125
Lead	0.20	U	50.0	52.7		ug/L		105	75 - 125
Nickel	2.0	U	100	103		ug/L		103	75 - 125
Selenium	1.1	I	100	80.6		ug/L		79	75 - 125
Sodium	13		5.00	18.5		mg/L		114	75 - 125
Silver	0.25	U	50.0	53.1		ug/L		106	75 - 125
Thallium	0.50	U	40.0	40.1		ug/L		100	75 - 125
Vanadium	6.2	I	100	107		ug/L		101	75 - 125
Zinc	8.3	U	100	96.1		ug/L		96	75 - 125

Lab Sample ID: 660-46229-10 MSD
Matrix: Water
Analysis Batch: 230091

Client Sample ID: Duplicate 1 46229
Prep Type: Total Recoverable
Prep Batch: 229909

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	54.8		ug/L		110	75 - 125	1	20
Arsenic	2.7		100	98.6		ug/L		96	75 - 125	0	20
Barium	1.3	U	100	105		ug/L		105	75 - 125	7	20
Beryllium	0.25	U	50.0	50.5		ug/L		101	75 - 125	1	20

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

Lab Sample ID: 660-46229-10 MSD — **Client Sample ID: Duplicate 1 46229**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230091 — **Prep Batch: 229909**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.095	U	50.0	49.9		ug/L		100	75 - 125	1	20
Chromium	2.5	U	100	104		ug/L		104	75 - 125	1	20
Cobalt	0.75		50.0	54.7		ug/L		108	75 - 125	1	20
Copper	1.1	U	100	102		ug/L		102	75 - 125	0	20
Iron	2300		5000	7710		ug/L		109	75 - 125	1	20
Lead	0.20	U	50.0	53.2		ug/L		106	75 - 125	1	20
Nickel	2.0	U	100	104		ug/L		104	75 - 125	1	20
Selenium	1.1	I	100	82.5		ug/L		81	75 - 125	2	20
Sodium	13		5.00	18.5		mg/L		114	75 - 125	0	20
Silver	0.25	U	50.0	53.3		ug/L		107	75 - 125	0	20
Thallium	0.50	U	40.0	40.4		ug/L		101	75 - 125	1	20
Vanadium	6.2	I	100	107		ug/L		101	75 - 125	0	20
Zinc	8.3	U	100	97.1		ug/L		97	75 - 125	1	20

Lab Sample ID: MB 680-230107/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		02/27/12 11:05	02/28/12 05:18	1
Arsenic	1.3	U	2.5	1.3	ug/L		02/27/12 11:05	02/28/12 05:18	1
Barium	1.3	U	5.0	1.3	ug/L		02/27/12 11:05	02/28/12 05:18	1
Beryllium	0.25	U	0.50	0.25	ug/L		02/27/12 11:05	02/28/12 05:18	1
Cadmium	0.095	U	0.50	0.095	ug/L		02/27/12 11:05	02/28/12 05:18	1
Chromium	2.5	U	5.0	2.5	ug/L		02/27/12 11:05	02/28/12 05:18	1
Cobalt	0.15	U	0.50	0.15	ug/L		02/27/12 11:05	02/28/12 05:18	1
Copper	1.1	U	5.0	1.1	ug/L		02/27/12 11:05	02/28/12 05:18	1
Iron	33	U	100	33	ug/L		02/27/12 11:05	02/28/12 05:18	1
Lead	0.20	U	1.5	0.20	ug/L		02/27/12 11:05	02/28/12 05:18	1
Nickel	2.0	U	5.0	2.0	ug/L		02/27/12 11:05	02/28/12 05:18	1
Selenium	1.0	U	2.5	1.0	ug/L		02/27/12 11:05	02/28/12 05:18	1
Sodium	0.25	U	0.50	0.25	mg/L		02/27/12 11:05	02/28/12 05:18	1
Silver	0.25	U	1.0	0.25	ug/L		02/27/12 11:05	02/28/12 05:18	1
Thallium	0.50	U	1.0	0.50	ug/L		02/27/12 11:05	02/28/12 05:18	1
Vanadium	3.8	U	10	3.8	ug/L		02/27/12 11:05	02/28/12 05:18	1
Zinc	8.3	U	20	8.3	ug/L		02/27/12 11:05	02/28/12 05:18	1

Lab Sample ID: LCS 680-230107/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	55.8		ug/L		112	75 - 125
Arsenic	100	98.8		ug/L		99	75 - 125
Barium	100	104		ug/L		104	75 - 125
Beryllium	50.0	54.2		ug/L		108	75 - 125
Cadmium	50.0	52.7		ug/L		105	75 - 125
Chromium	100	100		ug/L		100	75 - 125
Cobalt	50.0	52.5		ug/L		105	75 - 125
Copper	100	102		ug/L		102	75 - 125

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

Lab Sample ID: LCS 680-230107/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5310		ug/L		106	75 - 125
Lead	50.0	52.7		ug/L		105	75 - 125
Nickel	100	101		ug/L		101	75 - 125
Selenium	100	109		ug/L		109	75 - 125
Sodium	5.00	5.28		mg/L		106	75 - 125
Silver	50.0	52.8		ug/L		106	75 - 125
Thallium	40.0	40.6		ug/L		101	75 - 125
Vanadium	100	98.4		ug/L		98	75 - 125
Zinc	100	113		ug/L		113	75 - 125

Lab Sample ID: 680-77175-B-5-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	54.5		ug/L		109	75 - 125
Arsenic	1.3	U	100	97.4		ug/L		97	75 - 125
Barium	34		100	137		ug/L		102	75 - 125
Cadmium	0.095	U	50.0	51.5		ug/L		103	75 - 125
Chromium	2.5	U	100	101		ug/L		101	75 - 125
Cobalt	0.15	U	50.0	51.3		ug/L		103	75 - 125
Copper	1.6		100	103		ug/L		102	75 - 125
Iron	40	I	5000	5250		ug/L		104	75 - 125
Lead	0.20		50.0	51.9		ug/L		104	75 - 125
Nickel	2.0	U	100	101		ug/L		101	75 - 125
Selenium	1.0	U	100	106		ug/L		106	75 - 125
Sodium	6.2		5.00	11.4		mg/L		103	75 - 125
Silver	0.25	U	50.0	51.4		ug/L		103	75 - 125
Thallium	0.50		40.0	40.3		ug/L		101	75 - 125
Vanadium	3.8	U	100	99.1		ug/L		99	75 - 125
Zinc	8.3		100	108		ug/L		108	75 - 125

Lab Sample ID: 680-77175-B-5-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230287 — **Prep Batch: 230107**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.25	U	50.0	57.5		ug/L		115	75 - 125

Lab Sample ID: 680-77175-B-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

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	54.9		ug/L		110	75 - 125	1	20
Arsenic	1.3	U	100	98.3		ug/L		98	75 - 125	1	20
Barium	34		100	138		ug/L		103	75 - 125	1	20
Cadmium	0.095	U	50.0	52.3		ug/L		105	75 - 125	2	20
Chromium	2.5	U	100	102		ug/L		102	75 - 125	1	20
Cobalt	0.15	U	50.0	51.7		ug/L		103	75 - 125	1	20

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

Lab Sample ID: 680-77175-B-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230201 — **Prep Batch: 230107**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	1.6		100	104		ug/L		102	75 - 125	1	20
Iron	40	I	5000	5320		ug/L		106	75 - 125	1	20
Lead	0.20		50.0	51.9		ug/L		104	75 - 125	0	20
Nickel	2.0	U	100	103		ug/L		103	75 - 125	2	20
Selenium	1.0	U	100	108		ug/L		108	75 - 125	1	20
Sodium	6.2		5.00	11.6		mg/L		107	75 - 125	2	20
Silver	0.25	U	50.0	51.8		ug/L		104	75 - 125	1	20
Thallium	0.50		40.0	40.5		ug/L		101	75 - 125	0	20
Vanadium	3.8	U	100	100		ug/L		100	75 - 125	1	20
Zinc	8.3		100	113		ug/L		113	75 - 125	5	20

Lab Sample ID: 680-77175-B-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230287 — **Prep Batch: 230107**

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	61.9		ug/L		124	75 - 125	7	20

Lab Sample ID: MB 680-230397/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230599 — **Prep Batch: 230397**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tin	1.3	U	5.0	1.3	ug/L		03/01/12 10:33	03/02/12 23:36	1

Lab Sample ID: LCS 680-230397/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230599 — **Prep Batch: 230397**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tin	100	102		ug/L		102	75 - 125

Lab Sample ID: LCSD 680-230397/6-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 230599 — **Prep Batch: 230397**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tin	100	105		ug/L		105	75 - 125	3	20

Method: 7470A - Mercury

Lab Sample ID: MB 680-229752/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230033 — **Prep Batch: 229752**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/22/12 14:11	02/24/12 14:52	1

Method: 7470A - Mercury (Continued)

Lab Sample ID: LCS 680-229752/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230033 — **Prep Batch: 229752**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.50		ug/L		100	80 - 120

Lab Sample ID: 680-77089-D-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230033 — **Prep Batch: 229752**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.961		ug/L		96	80 - 120

Lab Sample ID: 680-77089-D-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230033 — **Prep Batch: 229752**

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	0.983		ug/L		98	80 - 120	2	20

Lab Sample ID: MB 680-230080/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230080**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 08:59	02/28/12 12:19	1

Lab Sample ID: LCS 680-230080/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230080**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.56		ug/L		102	80 - 120

Lab Sample ID: 640-37468-B-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230080**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 640-37468-B-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230080**

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	1.03		ug/L		103	80 - 120	1	20

Lab Sample ID: MB 680-230099/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230099**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		02/27/12 10:26	02/28/12 10:49	1

Method: 7470A - Mercury (Continued)

Lab Sample ID: LCS 680-230099/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230099**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.59		ug/L		104	80 - 120

Lab Sample ID: 680-77125-C-5-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230099**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.992		ug/L		99	80 - 120

Lab Sample ID: 680-77125-C-5-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230248 — **Prep Batch: 230099**

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	1.01		ug/L		101	80 - 120	2	20

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

Lab Sample ID: MB 680-230013/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230013

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	3.3	U	3.3	3.3	mg/L			02/23/12 13:52	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 660-121634/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121634

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/01/12 20:55	1

Lab Sample ID: LCS 660-121634/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.55		mg/L		95	90 - 110

Lab Sample ID: 660-46229-5 MS — **Client Sample ID: TH-19 WACS# 821**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.3		20.0	27.3		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 660-46229-5 MSD — **Client Sample ID: TH-19 WACS# 821**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.3		20.0	26.8		mg/L		98	90 - 110	2	30

Lab Sample ID: MB 660-121685/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121685

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/02/12 10:58	1

Lab Sample ID: LCS 660-121685/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.61		mg/L		96	90 - 110

Lab Sample ID: 660-46269-B-2 MS ^5 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121685

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	110	J3	50.0	154	J3	mg/L		89	90 - 110

Lab Sample ID: 660-46269-B-2 MSD ^5 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121685

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	110	J3	50.0	153	J3	mg/L		88	90 - 110	0	30

Lab Sample ID: MB 660-121695/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/04/12 14:46	1

Lab Sample ID: LCS 660-121695/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.52		mg/L		95	90 - 110

Lab Sample ID: 660-46215-3 MS — **Client Sample ID: Barnes WACS# 881**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.9		10.0	15.2		mg/L		93	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 660-46215-3 MSD — **Client Sample ID: Barnes WACS# 881**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.9		10.0	15.7		mg/L		98	90 - 110	3	30

Lab Sample ID: 660-46254-4 MS — **Client Sample ID: TH-40 WACS# 822**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.6		10.0	17.7		mg/L		101	90 - 110

Lab Sample ID: 660-46254-4 MSD — **Client Sample ID: TH-40 WACS# 822**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121695

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.6		10.0	17.8		mg/L		102	90 - 110	1	30

Lab Sample ID: MB 660-121732/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121732

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			03/05/12 09:33	1

Lab Sample ID: LCS 660-121732/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.50		mg/L		95	90 - 110

Lab Sample ID: 660-46254-10 MS — **Client Sample ID: TH-69A WACS# 22958**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	83		100	182		mg/L		99	90 - 110

Lab Sample ID: 660-46254-10 MSD — **Client Sample ID: TH-69A WACS# 22958**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	83		100	191		mg/L		107	90 - 110	5	30

QC Sample Results

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

TestAmerica Job ID: 660-46215-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 660-121716/11 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

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			03/05/12 15:20	1

Lab Sample ID: LCS 660-121716/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.500	0.498		mg/L		100	90 - 110

Lab Sample ID: 660-46287-B-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.41	J3	1.00	1.11	J3	mg/L		70	90 - 110

Lab Sample ID: 660-46287-B-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.41	J3	1.00	1.14	J3	mg/L		73	90 - 110	3	30

Lab Sample ID: 660-46287-B-2 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.13	J3	1.00	0.888	J3	mg/L		76	90 - 110

Lab Sample ID: 660-46287-B-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.13	J3	1.00	0.897	J3	mg/L		76	90 - 110	1	30

Lab Sample ID: MB 660-121720/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

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			03/05/12 17:00	1

Lab Sample ID: LCS 660-121720/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.500	0.512		mg/L		102	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 660-46215-1 MS — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.050	J3	1.00	0.859	J3	mg/L		81	90 - 110

Lab Sample ID: 660-46215-1 MSD — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.050	J3	1.00	0.986		mg/L		94	90 - 110	14	30

Lab Sample ID: 660-46254-6 MS — **Client Sample ID: TH-28A WACS# 19862**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	1.6	J3	1.00	2.37	J3	mg/L		82	90 - 110

Lab Sample ID: 660-46254-6 MSD — **Client Sample ID: TH-28A WACS# 19862**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	1.6	J3	1.00	2.46		mg/L		91	90 - 110	4	30

Lab Sample ID: MB 660-121896/11 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121896

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			03/08/12 14:13	1

Lab Sample ID: LCS 660-121896/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121896

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

Lab Sample ID: 660-46395-D-2 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.12		1.00	1.17		mg/L		105	90 - 110

Lab Sample ID: 660-46395-D-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.12		1.00	1.17		mg/L		105	90 - 110	0	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-121236/14 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121236

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:29	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:29	1
Nitrite Nitrogen	0.10	U	0.50	0.10	mg/L			02/21/12 15:29	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/21/12 15:29	1

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Lab Sample ID: LCS 660-121236/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	0.963		mg/L		96	90 - 110
Nitrite as N	0.500	0.497	I	mg/L		99	90 - 110
Nitrite Nitrogen	0.500	0.497	I	mg/L		99	90 - 110

Lab Sample ID: 660-46215-1 MS — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.984		mg/L		98	90 - 110
Nitrite as N	0.10		0.500	0.507		mg/L		101	90 - 110
Nitrite Nitrogen	0.10		0.500	0.507		mg/L		101	90 - 110

Lab Sample ID: 660-46215-1 MSD — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.978		mg/L		98	90 - 110	1	30
Nitrite as N	0.10		0.500	0.507		mg/L		101	90 - 110	0	30
Nitrite Nitrogen	0.10		0.500	0.507		mg/L		101	90 - 110	0	30

Lab Sample ID: MB 660-121352/14 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:19	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:19	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/22/12 13:19	1

Lab Sample ID: LCS 660-121352/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	0.962		mg/L		96	90 - 110
Nitrite as N	0.500	0.496	I	mg/L		99	90 - 110

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-46229-1 MS — **Client Sample ID: TH-61A WACS# 22595**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.944		mg/L		94	90 - 110
Nitrite as N	0.10		0.500	0.484	I	mg/L		97	90 - 110

Lab Sample ID: 660-46229-1 MSD — **Client Sample ID: TH-61A WACS# 22595**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.924		mg/L		92	90 - 110	2	30
Nitrite as N	0.10		0.500	0.480	I	mg/L		96	90 - 110	1	30

Lab Sample ID: 660-46229-11 MS — **Client Sample ID: TH-66A WACS# 22961**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.925		mg/L		93	90 - 110
Nitrite as N	0.10		0.500	0.491	I	mg/L		98	90 - 110

Lab Sample ID: 660-46229-11 MSD — **Client Sample ID: TH-66A WACS# 22961**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.907		mg/L		91	90 - 110	2	30
Nitrite as N	0.10		0.500	0.480	I	mg/L		96	90 - 110	2	30

Lab Sample ID: MB 660-121353/14 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:24	1
Nitrite as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:24	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			02/23/12 14:24	1

Lab Sample ID: LCS 660-121353/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	0.971		mg/L		97	90 - 110
Nitrite as N	0.500	0.496	I	mg/L		99	90 - 110

Lab Sample ID: 660-46254-4 MS — **Client Sample ID: TH-40 WACS# 822**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.989		mg/L		99	90 - 110
Nitrite as N	0.10		0.500	0.504		mg/L		101	90 - 110

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-46254-4 MSD — **Client Sample ID: TH-40 WACS# 822**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.985		mg/L		99	90 - 110	0	30
Nitrite as N	0.10		0.500	0.504		mg/L		101	90 - 110	0	30

Lab Sample ID: 660-46254-10 MS — **Client Sample ID: TH-69A WACS# 22958**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.765	J3	mg/L		77	90 - 110
Nitrite as N	0.10		0.500	0.437	I J3	mg/L		87	90 - 110

Lab Sample ID: 660-46254-10 MSD — **Client Sample ID: TH-69A WACS# 22958**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121353

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.766	J3	mg/L		77	90 - 110	0	30
Nitrite as N	0.10		0.500	0.436	I J3	mg/L		87	90 - 110	0	30

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 660-121802/10-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121846 — **Prep Batch: 121802**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	0.10	U	0.30	0.10	mg/L		03/06/12 20:30	03/07/12 15:14	1

Lab Sample ID: LCS 660-121802/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121846 — **Prep Batch: 121802**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	7.00	6.94		mg/L		99	90 - 110

Lab Sample ID: 660-46395-D-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121846 — **Prep Batch: 121802**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	0.10	U	1.00	1.01		mg/L		101	90 - 110

Lab Sample ID: 660-46395-D-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121846 — **Prep Batch: 121802**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phosphorus, Total	0.10	U	1.00	1.02		mg/L		102	90 - 110	1	30

Method: 5210B - BOD-5

Lab Sample ID: SCB 660-121281/2 SCB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121281

Analyte	SCB Result	SCB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/12 13:10	1

Lab Sample ID: USB 660-121281/1 USB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121281

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			02/22/12 13:10	1

Lab Sample ID: LCS 660-121281/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	214		mg/L		108	85 - 115

Lab Sample ID: 660-46231-G-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121281

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	330		304		mg/L		7	20

Method: 5220 D - Chemical Oxygen Demand

Lab Sample ID: MB 660-121430/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121436 — **Prep Batch: 121430**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10	U	20	10	mg/L		02/27/12 13:51	02/27/12 15:18	1

Lab Sample ID: LCS 660-121430/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121436 — **Prep Batch: 121430**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	46.0		mg/L		92	90 - 110

Lab Sample ID: 640-37453-A-4-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121436 — **Prep Batch: 121430**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	10	U	50.0	54.0		mg/L		108	90 - 110

Method: 5220 D - Chemical Oxygen Demand (Continued)

Lab Sample ID: 640-37453-A-4-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121436 — **Prep Batch: 121430**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	10	U	50.0	53.0		mg/L		106	90 - 110	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 660-121664/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121664

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	1.0	U	1.0	1.0	mg/L			03/02/12 11:25	1

Lab Sample ID: LCS 660-121664/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	118	131		mg/L		111	80 - 120

Lab Sample ID: 660-46254-1 DU — **Client Sample ID: Leachate Sump 007 WACS# 20495**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121664

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	400		417		mg/L		5	30

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

Lab Sample ID: MB 660-121326/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121326

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/23/12 14:03	1

Lab Sample ID: LCS 660-121326/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9880		mg/L		99	80 - 120

Lab Sample ID: 660-46215-3 DU — **Client Sample ID: Barnes WACS# 881**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121326

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	140		156		mg/L		8	20

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

Lab Sample ID: MB 660-121362/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121362

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/24/12 11:10	1

Lab Sample ID: LCS 660-121362/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121362

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: 660-46215-4 DU — **Client Sample ID: Weeks WACS# 914**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121362

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	260		260		mg/L		0	20

Lab Sample ID: MB 660-121423/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121423

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			02/27/12 11:17	1

Lab Sample ID: LCS 660-121423/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	10000		mg/L		100	80 - 120

Lab Sample ID: 660-46243-C-2 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121423

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1360		mg/L		1	20

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

Lab Sample ID: MB 660-121310/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121310

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.0	U	1.0	1.0	mg/L			02/23/12 10:01	1

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

Lab Sample ID: LCS 660-121310/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	98.0		mg/L		98	80 - 120

Lab Sample ID: 660-46227-C-5 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121310

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	31		32.0		mg/L		4	20

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 680-230083/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230120 — **Prep Batch: 230083**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0025	U	0.010	0.0025	mg/L		02/27/12 09:09	02/27/12 13:15	1

Lab Sample ID: LCS 680-230083/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230120 — **Prep Batch: 230083**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0505	0.0514		mg/L		102	90 - 110

Lab Sample ID: 680-77181-B-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230120 — **Prep Batch: 230083**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0025	U	0.0505	0.0525		mg/L		104	90 - 110

Lab Sample ID: 680-77181-B-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 230120 — **Prep Batch: 230083**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0025	U	0.0505	0.0498		mg/L		99	90 - 110	5	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 660-121574/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121574

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			02/28/12 11:45	1

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

Lab Sample ID: LCS 660-121574/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	20.0	19.4		mg/L		97	75 - 125

Lab Sample ID: LCSD 660-121574/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121574

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	20.0	19.8		mg/L		99	75 - 125	2	25

Lab Sample ID: 660-46254-1 DU — **Client Sample ID: Leachate Sump 007 WACS# 20495**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121574

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	1.0	U	1.0	U	mg/L		NC	

Method: SM 5310C - TOC

Lab Sample ID: MB 640-90088/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.35	U	1.0	0.35	mg/L			02/23/12 10:39	1

Lab Sample ID: LCS 640-90088/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	10.0	9.92		mg/L		99	80 - 120

Lab Sample ID: LCSD 640-90088/8 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	10.0	9.66		mg/L		97	80 - 120	3	25

Lab Sample ID: 660-46215-1 MS — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.4		5.00	6.38		mg/L		100	80 - 120

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 660-46215-1 MSD — **Client Sample ID: Holland WACS# 883**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	1.4		5.00	6.45		mg/L		102	80 - 120	1	25

Lab Sample ID: 660-46215-2 DU — **Client Sample ID: Blank, Equipment Private Wells 46215**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90088

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	0.35	U	0.35	U	mg/L		NC	25

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

Lab Sample ID: MB 660-121849/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121849

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1.0	U	1.0	1.0	MPN/100mL			02/20/12 17:40	1

Lab Sample ID: 660-46215-6 DU — **Client Sample ID: Surface Site 3C2 WACS# 838**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121849

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Coliform, Fecal	200		400	J3	MPN/100mL		67	50

Method: SM 10200H by E83012 - General Chemistry Parameters

Lab Sample ID: 12B5996-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12B5996 — **Prep Batch: 12B5996_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorophyll-a Uncorrected	ND	U	2.00	2.00	ug/L		02/21/12 08:34	02/24/12 08:38	1.00

Lab Sample ID: 12B5996-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12B5996 — **Prep Batch: 12B5996_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorophyll-a Uncorrected	200	204		mg/m3		102	80 - 120

Lab Sample ID: 12B5996-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12B5996 — **Prep Batch: 12B5996_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorophyll-a Uncorrected	200	204		mg/m3		102	80 - 120	0	50

Method: SM 10200H by E83012 - General Chemistry Parameters (Continued)

Lab Sample ID: 12B5996-DUP1 — **Client Sample ID: Surface Site 3C2 WACS# 838**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12B5996 — **Prep Batch: 12B5996_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Chlorophyll-a Uncorrected	3.90			3.90		ug/L				0	50

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QC Association Summary

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

TestAmerica Job ID: 660-46215-1

GC/MS VOA

Analysis Batch: 121368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	8260B	
660-46215-1 DU	Holland WACS# 883	Total/NA	Water	8260B	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	8260B	
660-46215-3	Barnes WACS# 881	Total/NA	Water	8260B	
660-46215-3 MS	Barnes WACS# 881	Total/NA	Water	8260B	
660-46215-4	Weeks WACS# 914	Total/NA	Water	8260B	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	8260B	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	8260B	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	8260B	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	8260B	
660-46215-11	Blank, Travel 46215	Total/NA	Water	8260B	
LCS 660-121368/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-121368/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 121387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8260B	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8260B	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8260B	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	8260B	
660-46254-4 DU	TH-40 WACS# 822	Total/NA	Water	8260B	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	8260B	
660-46254-5 MS	TH-58 WACS3 1571	Total/NA	Water	8260B	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	8260B	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	8260B	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	8260B	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	8260B	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	8260B	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	8260B	
660-46254-12	Duplicate 46254	Total/NA	Water	8260B	
660-46254-13	Blank, Travel 46254	Total/NA	Water	8260B	
LCS 660-121387/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-121387/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 121394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-5	TH-19 WACS# 821	Total/NA	Water	8260B	
660-46229-5 DU	TH-19 WACS# 821	Total/NA	Water	8260B	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	8260B	
660-46229-6 MS	TH-22A WACS# 19861	Total/NA	Water	8260B	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	8260B	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	8260B	
660-46229-10	Duplicate 1 46229	Total/NA	Water	8260B	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	8260B	
LCS 660-121394/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-121394/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 121418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	8260B	
660-46229-1 DU	TH-61A WACS# 22595	Total/NA	Water	8260B	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 121418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-2 MS	TH-64 WACS# 20494	Total/NA	Water	8260B	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	8260B	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	8260B	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	8260B	
660-46229-12	Blank, Travel 46229	Total/NA	Water	8260B	
LCS 660-121418/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-121418/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

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Prep Batch: 121306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	3520C	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	3520C	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	3520C	
660-46254-3 MS	Leachate Sump 001 WACS# 919	Total/NA	Water	3520C	
LCS 660-121306/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 660-121306/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 660-121306/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 660-121306/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 121323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46253-B-2-B DU	Duplicate	Total/NA	Water	3520C	
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	3520C	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	3520C	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	3520C	
660-46254-3 MS	Leachate Sump 001 WACS# 919	Total/NA	Water	3520C	
LCS 660-121323/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 660-121323/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 121411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46253-B-2-B DU	Duplicate	Total/NA	Water	8270C/LL_PAH	121323
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8270C/LL_PAH	121323
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8270C/LL_PAH	121323
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C/LL_PAH	121323
660-46254-3 MS	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C/LL_PAH	121323
LCS 660-121323/2-A	Lab Control Sample	Total/NA	Water	8270C/LL_PAH	121323
MB 660-121323/1-A	Method Blank	Total/NA	Water	8270C/LL_PAH	121323

Analysis Batch: 121478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8270C	121306
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8270C	121306
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C	121306
660-46254-3 MS	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C	121306
LCS 660-121306/11-A	Lab Control Sample	Total/NA	Water	8270C	121306
LCSD 660-121306/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	121306
MB 660-121306/1-A	Method Blank	Total/NA	Water	8270C	121306

GC/MS Semi VOA (Continued)

Analysis Batch: 121523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8270C	121306
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8270C	121306
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C	121306
660-46254-3 MS	Leachate Sump 001 WACS# 919	Total/NA	Water	8270C	121306
LCS 660-121306/11-A	Lab Control Sample	Total/NA	Water	8270C	121306
MB 660-121306/1-A	Method Blank	Total/NA	Water	8270C	121306

Analysis Batch: 121531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-121306/2-A	Lab Control Sample	Total/NA	Water	8270C	121306

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GC Semi VOA

Prep Batch: 90103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	3520C	
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	3520C	
660-46254-1 MSD	Leachate Sump 007 WACS# 20495	Total/NA	Water	3520C	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	3520C	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	3520C	
LCS 640-90103/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 640-90103/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 640-90103/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 90319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8141A	90103
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	8141A	90103
660-46254-1 MSD	Leachate Sump 007 WACS# 20495	Total/NA	Water	8141A	90103
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8141A	90103
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8141A	90103
LCS 640-90103/2-A	Lab Control Sample	Total/NA	Water	8141A	90103
LCSD 640-90103/3-A	Lab Control Sample Dup	Total/NA	Water	8141A	90103
MB 640-90103/1-A	Method Blank	Total/NA	Water	8141A	90103

Prep Batch: 121274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	8011	
660-46215-1 MS	Holland WACS# 883	Total/NA	Water	8011	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	8011	
660-46215-2 DU	Blank, Equipment Private Wells 46215	Total/NA	Water	8011	
660-46215-3	Barnes WACS# 881	Total/NA	Water	8011	
660-46215-4	Weeks WACS# 914	Total/NA	Water	8011	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	8011	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	8011	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	8011	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	8011	
LCS 660-121274/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-121274/1-A	Method Blank	Total/NA	Water	8011	

GC Semi VOA (Continued)

Analysis Batch: 121317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	8011	121274
660-46215-1 MS	Holland WACS# 883	Total/NA	Water	8011	121274
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	8011	121274
660-46215-2 DU	Blank, Equipment Private Wells 46215	Total/NA	Water	8011	121274
660-46215-3	Barnes WACS# 881	Total/NA	Water	8011	121274
660-46215-4	Weeks WACS# 914	Total/NA	Water	8011	121274
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	8011	121274
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	8011	121274
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	8011	121274
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	8011	121274
LCS 660-121274/2-A	Lab Control Sample	Total/NA	Water	8011	121274
MB 660-121274/1-A	Method Blank	Total/NA	Water	8011	121274

Prep Batch: 121408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8011	
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	8011	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8011	
660-46254-2 DU	Leachate Sump 009 WACS# 22599	Total/NA	Water	8011	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8011	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	8011	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	8011	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	8011	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	8011	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	8011	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	8011	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	8011	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	8011	
660-46254-11 DU	TH-71A WACS# 22960	Total/NA	Water	8011	
660-46254-12	Duplicate 46254	Total/NA	Water	8011	
LCS 660-121408/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-121408/1-A	Method Blank	Total/NA	Water	8011	

Prep Batch: 121444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	3510C	
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	3510C	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	3510C	
660-46254-2 MS	Leachate Sump 009 WACS# 22599	Total/NA	Water	3510C	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	3510C	
660-46254-3 DU	Leachate Sump 001 WACS# 919	Total/NA	Water	3510C	
660-46300-A-2-A MS	Matrix Spike	Total/NA	Water	3510C	
660-46300-D-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
LCS 660-121444/18-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-121444/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 660-121444/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 660-121444/19-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 660-121444/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 121462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 121462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1 MS	TH-61A WACS# 22595	Total/NA	Water	8011	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	8011	
660-46229-2 DU	TH-64 WACS# 20494	Total/NA	Water	8011	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	8011	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	8011	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	8011	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	8011	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	8011	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	8011	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	8011	
660-46229-10	Duplicate 1 46229	Total/NA	Water	8011	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	8011	
660-46229-11 DU	TH-66A WACS# 22961	Total/NA	Water	8011	
LCS 660-121462/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-121462/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 121468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8011	121408
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	8011	121408
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8011	121408
660-46254-2 DU	Leachate Sump 009 WACS# 22599	Total/NA	Water	8011	121408
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8011	121408
660-46254-4	TH-40 WACS# 822	Total/NA	Water	8011	121408
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	8011	121408
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	8011	121408
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	8011	121408
660-46254-8	Blank, Equipment 46254	Total/NA	Water	8011	121408
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	8011	121408
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	8011	121408
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	8011	121408
660-46254-11 DU	TH-71A WACS# 22960	Total/NA	Water	8011	121408
660-46254-12	Duplicate 46254	Total/NA	Water	8011	121408
LCS 660-121408/2-A	Lab Control Sample	Total/NA	Water	8011	121408
MB 660-121408/1-A	Method Blank	Total/NA	Water	8011	121408

Analysis Batch: 121521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-121444/3-A	Lab Control Sample	Total/NA	Water	8082	121444
MB 660-121444/1-A	Method Blank	Total/NA	Water	8082	121444

Analysis Batch: 121527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8081A	121444
660-46254-1 MS	Leachate Sump 007 WACS# 20495	Total/NA	Water	8081A	121444
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8081A	121444
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8081A	121444
660-46300-A-2-A MS	Matrix Spike	Total/NA	Water	8081A	121444
660-46300-D-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8081A	121444
LCS 660-121444/18-A	Lab Control Sample	Total/NA	Water	8081A	121444
LCS 660-121444/2-A	Lab Control Sample	Total/NA	Water	8081A	121444
LCSD 660-121444/19-A	Lab Control Sample Dup	Total/NA	Water	8081A	121444

GC Semi VOA (Continued)

Analysis Batch: 121527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 660-121444/1-A	Method Blank	Total/NA	Water	8081A	121444

Analysis Batch: 121537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	8011	121462
660-46229-1 MS	TH-61A WACS# 22595	Total/NA	Water	8011	121462
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	8011	121462
660-46229-2 DU	TH-64 WACS# 20494	Total/NA	Water	8011	121462
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	8011	121462
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	8011	121462
660-46229-5	TH-19 WACS# 821	Total/NA	Water	8011	121462
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	8011	121462
660-46229-7	Blank, Equipment 46229	Total/NA	Water	8011	121462
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	8011	121462
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	8011	121462
660-46229-10	Duplicate 1 46229	Total/NA	Water	8011	121462
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	8011	121462
660-46229-11 DU	TH-66A WACS# 22961	Total/NA	Water	8011	121462
LCS 660-121462/2-A	Lab Control Sample	Total/NA	Water	8011	121462
MB 660-121462/1-A	Method Blank	Total/NA	Water	8011	121462

Analysis Batch: 121550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8082	121444
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8082	121444
660-46254-2 MS	Leachate Sump 009 WACS# 22599	Total/NA	Water	8082	121444
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8082	121444
660-46254-3 DU	Leachate Sump 001 WACS# 919	Total/NA	Water	8082	121444

Prep Batch: 230074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8151A	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8151A	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8151A	
680-77071-A-1-J MS	Matrix Spike	TCLP	Water	8151A	
680-77071-A-1-K MSD	Matrix Spike Duplicate	TCLP	Water	8151A	
LCS 680-230074/15-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-230074/14-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 230412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	8151A	230074
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	8151A	230074
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	8151A	230074
680-77071-A-1-J MS	Matrix Spike	TCLP	Water	8151A	230074
680-77071-A-1-K MSD	Matrix Spike Duplicate	TCLP	Water	8151A	230074
LCS 680-230074/15-A	Lab Control Sample	Total/NA	Water	8151A	230074
MB 680-230074/14-A	Method Blank	Total/NA	Water	8151A	230074

QC Association Summary

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

TestAmerica Job ID: 660-46215-1

Metals

Prep Batch: 121211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-10	Blank, Equipment NPDES 46215	Total Recoverable	Water	200.7	
660-46215-A-9-B MS	Matrix Spike	Total Recoverable	Water	200.7	
660-46215-A-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 660-121211/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 660-121211/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 121284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-10	Blank, Equipment NPDES 46215	Total Recoverable	Water	200.7 Rev 4.4	121211
660-46215-A-9-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	121211
660-46215-A-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	121211
LCS 660-121211/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	121211
MB 660-121211/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	121211

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Prep Batch: 229752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	7470A	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	7470A	
660-46215-3	Barnes WACS# 881	Total/NA	Water	7470A	
660-46215-4	Weeks WACS# 914	Total/NA	Water	7470A	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	7470A	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	7470A	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	7470A	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	7470A	
680-77089-D-1-B MS	Matrix Spike	Total/NA	Water	7470A	
680-77089-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-229752/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-229752/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 229755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total Recoverable	Water	3005A	
660-46215-6	Surface Site 3C2 WACS# 838	Total Recoverable	Water	3005A	
660-46215-8	Mine Cut #1D WACS# 834	Total Recoverable	Water	3005A	
660-46215-8 MS	Mine Cut #1D WACS# 834	Total Recoverable	Water	3005A	
660-46215-8 MSD	Mine Cut #1D WACS# 834	Total Recoverable	Water	3005A	
LCS 680-229755/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-229755/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 229909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total Recoverable	Water	3005A	
660-46215-2	Blank, Equipment Private Wells 46215	Total Recoverable	Water	3005A	
660-46215-3	Barnes WACS# 881	Total Recoverable	Water	3005A	
660-46215-4	Weeks WACS# 914	Total Recoverable	Water	3005A	
660-46215-7	Keen Jr. WACS# 28079	Total Recoverable	Water	3005A	
660-46229-1	TH-61A WACS# 22595	Total Recoverable	Water	3005A	
660-46229-2	TH-64 WACS# 20494	Total Recoverable	Water	3005A	
660-46229-3	TH-36A WACS# 20329	Total Recoverable	Water	3005A	
660-46229-4	TH-68 WACS# 22039	Total Recoverable	Water	3005A	
660-46229-5	TH-19 WACS# 821	Total Recoverable	Water	3005A	
660-46229-6	TH-22A WACS# 19861	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 229909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-7	Blank, Equipment 46229	Total Recoverable	Water	3005A	
660-46229-8	TH-67 WACS# 20532	Total Recoverable	Water	3005A	
660-46229-9	TH-65 WACS# 20530	Total Recoverable	Water	3005A	
660-46229-10	Duplicate 1 46229	Total Recoverable	Water	3005A	
660-46229-10 MS	Duplicate 1 46229	Total Recoverable	Water	3005A	
660-46229-10 MSD	Duplicate 1 46229	Total Recoverable	Water	3005A	
660-46229-11	TH-66A WACS# 22961	Total Recoverable	Water	3005A	
LCS 680-229909/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-229909/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 229984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total Recoverable	Water	6020A	229755
660-46215-6	Surface Site 3C2 WACS# 838	Total Recoverable	Water	6020A	229755
660-46215-8	Mine Cut #1D WACS# 834	Total Recoverable	Water	6020A	229755
660-46215-8 MS	Mine Cut #1D WACS# 834	Total Recoverable	Water	6020A	229755
660-46215-8 MSD	Mine Cut #1D WACS# 834	Total Recoverable	Water	6020A	229755
LCS 680-229755/2-A	Lab Control Sample	Total Recoverable	Water	6020A	229755
MB 680-229755/1-A	Method Blank	Total Recoverable	Water	6020A	229755

Analysis Batch: 230013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	SM 2340B	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 2340B	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 2340B	
MB 680-230013/1	Method Blank	Total/NA	Water	SM 2340B	

Analysis Batch: 230033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	7470A	229752
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	7470A	229752
660-46215-3	Barnes WACS# 881	Total/NA	Water	7470A	229752
660-46215-4	Weeks WACS# 914	Total/NA	Water	7470A	229752
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	7470A	229752
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	7470A	229752
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	7470A	229752
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	7470A	229752
680-77089-D-1-B MS	Matrix Spike	Total/NA	Water	7470A	229752
680-77089-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	229752
LCS 680-229752/2-A	Lab Control Sample	Total/NA	Water	7470A	229752
MB 680-229752/1-A	Method Blank	Total/NA	Water	7470A	229752

Prep Batch: 230080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-37468-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	
640-37468-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	7470A	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	7470A	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	7470A	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	7470A	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	7470A	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 230080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-7	Blank, Equipment 46229	Total/NA	Water	7470A	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	7470A	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	7470A	
660-46229-10	Duplicate 1 46229	Total/NA	Water	7470A	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	7470A	
LCS 680-230080/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-230080/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 230091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total Recoverable	Water	6020A	229909
660-46215-2	Blank, Equipment Private Wells 46215	Total Recoverable	Water	6020A	229909
660-46215-3	Barnes WACS# 881	Total Recoverable	Water	6020A	229909
660-46215-4	Weeks WACS# 914	Total Recoverable	Water	6020A	229909
660-46215-7	Keen Jr. WACS# 28079	Total Recoverable	Water	6020A	229909
660-46229-1	TH-61A WACS# 22595	Total Recoverable	Water	6020A	229909
660-46229-2	TH-64 WACS# 20494	Total Recoverable	Water	6020A	229909
660-46229-3	TH-36A WACS# 20329	Total Recoverable	Water	6020A	229909
660-46229-4	TH-68 WACS# 22039	Total Recoverable	Water	6020A	229909
660-46229-5	TH-19 WACS# 821	Total Recoverable	Water	6020A	229909
660-46229-6	TH-22A WACS# 19861	Total Recoverable	Water	6020A	229909
660-46229-7	Blank, Equipment 46229	Total Recoverable	Water	6020A	229909
660-46229-8	TH-67 WACS# 20532	Total Recoverable	Water	6020A	229909
660-46229-9	TH-65 WACS# 20530	Total Recoverable	Water	6020A	229909
660-46229-10	Duplicate 1 46229	Total Recoverable	Water	6020A	229909
660-46229-10 MS	Duplicate 1 46229	Total Recoverable	Water	6020A	229909
660-46229-10 MSD	Duplicate 1 46229	Total Recoverable	Water	6020A	229909
660-46229-11	TH-66A WACS# 22961	Total Recoverable	Water	6020A	229909
LCS 680-229909/2-A	Lab Control Sample	Total Recoverable	Water	6020A	229909
MB 680-229909/1-A	Method Blank	Total Recoverable	Water	6020A	229909

Prep Batch: 230099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	7470A	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	7470A	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	7470A	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	7470A	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	7470A	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	7470A	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	7470A	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	7470A	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	7470A	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	7470A	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	7470A	
660-46254-12	Duplicate 46254	Total/NA	Water	7470A	
680-77125-C-5-C MS	Matrix Spike	Total/NA	Water	7470A	
680-77125-C-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 680-230099/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-230099/1-A	Method Blank	Total/NA	Water	7470A	

QC Association Summary

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

TestAmerica Job ID: 660-46215-1

Metals (Continued)

Prep Batch: 230107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	3005A	
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	3005A	
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	3005A	
660-46254-4	TH-40 WACS# 822	Total Recoverable	Water	3005A	
660-46254-5	TH-58 WACS3 1571	Total Recoverable	Water	3005A	
660-46254-6	TH-28A WACS# 19862	Total Recoverable	Water	3005A	
660-46254-7	TH-57 WACS# 1570	Total Recoverable	Water	3005A	
660-46254-8	Blank, Equipment 46254	Total Recoverable	Water	3005A	
660-46254-9	TH-70A WACS# 22959	Total Recoverable	Water	3005A	
660-46254-10	TH-69A WACS# 22958	Total Recoverable	Water	3005A	
660-46254-11	TH-71A WACS# 22960	Total Recoverable	Water	3005A	
660-46254-12	Duplicate 46254	Total Recoverable	Water	3005A	
680-77175-B-5-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-77175-B-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
LCS 680-230107/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-230107/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 230201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	6020A	230107
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	6020A	230107
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	6020A	230107
660-46254-4	TH-40 WACS# 822	Total Recoverable	Water	6020A	230107
660-46254-5	TH-58 WACS3 1571	Total Recoverable	Water	6020A	230107
660-46254-6	TH-28A WACS# 19862	Total Recoverable	Water	6020A	230107
660-46254-7	TH-57 WACS# 1570	Total Recoverable	Water	6020A	230107
660-46254-8	Blank, Equipment 46254	Total Recoverable	Water	6020A	230107
660-46254-9	TH-70A WACS# 22959	Total Recoverable	Water	6020A	230107
660-46254-10	TH-69A WACS# 22958	Total Recoverable	Water	6020A	230107
660-46254-11	TH-71A WACS# 22960	Total Recoverable	Water	6020A	230107
660-46254-12	Duplicate 46254	Total Recoverable	Water	6020A	230107
680-77175-B-5-B MS	Matrix Spike	Total Recoverable	Water	6020A	230107
680-77175-B-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	230107
LCS 680-230107/2-A	Lab Control Sample	Total Recoverable	Water	6020A	230107
MB 680-230107/1-A	Method Blank	Total Recoverable	Water	6020A	230107

Analysis Batch: 230248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-37468-B-1-B MS	Matrix Spike	Total/NA	Water	7470A	230080
640-37468-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	230080
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	7470A	230080
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	7470A	230080
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	7470A	230080
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	7470A	230080
660-46229-5	TH-19 WACS# 821	Total/NA	Water	7470A	230080
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	7470A	230080
660-46229-7	Blank, Equipment 46229	Total/NA	Water	7470A	230080
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	7470A	230080
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	7470A	230080
660-46229-10	Duplicate 1 46229	Total/NA	Water	7470A	230080
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	7470A	230080
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	7470A	230099

Metals (Continued)

Analysis Batch: 230248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	7470A	230099
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	7470A	230099
660-46254-4	TH-40 WACS# 822	Total/NA	Water	7470A	230099
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	7470A	230099
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	7470A	230099
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	7470A	230099
660-46254-8	Blank, Equipment 46254	Total/NA	Water	7470A	230099
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	7470A	230099
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	7470A	230099
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	7470A	230099
660-46254-12	Duplicate 46254	Total/NA	Water	7470A	230099
680-77125-C-5-C MS	Matrix Spike	Total/NA	Water	7470A	230099
680-77125-C-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	230099
LCS 680-230080/2-A	Lab Control Sample	Total/NA	Water	7470A	230080
LCS 680-230099/2-A	Lab Control Sample	Total/NA	Water	7470A	230099
MB 680-230080/1-A	Method Blank	Total/NA	Water	7470A	230080
MB 680-230099/1-A	Method Blank	Total/NA	Water	7470A	230099

Analysis Batch: 230287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	6020A	230107
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	6020A	230107
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	6020A	230107
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	6020A	230107
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	6020A	230107
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	6020A	230107
660-46254-4	TH-40 WACS# 822	Total Recoverable	Water	6020A	230107
660-46254-5	TH-58 WACS3 1571	Total Recoverable	Water	6020A	230107
660-46254-6	TH-28A WACS# 19862	Total Recoverable	Water	6020A	230107
660-46254-7	TH-57 WACS# 1570	Total Recoverable	Water	6020A	230107
660-46254-8	Blank, Equipment 46254	Total Recoverable	Water	6020A	230107
660-46254-9	TH-70A WACS# 22959	Total Recoverable	Water	6020A	230107
660-46254-10	TH-69A WACS# 22958	Total Recoverable	Water	6020A	230107
660-46254-11	TH-71A WACS# 22960	Total Recoverable	Water	6020A	230107
660-46254-12	Duplicate 46254	Total Recoverable	Water	6020A	230107
680-77175-B-5-B MS	Matrix Spike	Total Recoverable	Water	6020A	230107
680-77175-B-5-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	230107

Prep Batch: 230397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	3005A	
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	3005A	
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	3005A	
LCS 680-230397/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 680-230397/6-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 680-230397/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 230599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total Recoverable	Water	6020A	230397
660-46254-2	Leachate Sump 009 WACS# 22599	Total Recoverable	Water	6020A	230397
660-46254-3	Leachate Sump 001 WACS# 919	Total Recoverable	Water	6020A	230397

Metals (Continued)

Analysis Batch: 230599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-230397/2-A	Lab Control Sample	Total Recoverable	Water	6020A	230397
LCSD 680-230397/6-A	Lab Control Sample Dup	Total Recoverable	Water	6020A	230397
MB 680-230397/1-A	Method Blank	Total Recoverable	Water	6020A	230397

General Chemistry

Analysis Batch: 90088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	SM 5310C	
660-46215-1 MS	Holland WACS# 883	Total/NA	Water	SM 5310C	
660-46215-1 MSD	Holland WACS# 883	Total/NA	Water	SM 5310C	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	SM 5310C	
660-46215-2 DU	Blank, Equipment Private Wells 46215	Total/NA	Water	SM 5310C	
660-46215-3	Barnes WACS# 881	Total/NA	Water	SM 5310C	
660-46215-4	Weeks WACS# 914	Total/NA	Water	SM 5310C	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	SM 5310C	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 5310C	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	SM 5310C	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 5310C	
LCS 640-90088/7	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 640-90088/8	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
MB 640-90088/6	Method Blank	Total/NA	Water	SM 5310C	

Analysis Batch: 121236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	353.2	
660-46215-1 MS	Holland WACS# 883	Total/NA	Water	353.2	
660-46215-1 MSD	Holland WACS# 883	Total/NA	Water	353.2	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	353.2	
660-46215-3	Barnes WACS# 881	Total/NA	Water	353.2	
660-46215-4	Weeks WACS# 914	Total/NA	Water	353.2	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	353.2	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	353.2	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	353.2	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	353.2	
LCS 660-121236/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-121236/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 121281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	5210B	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	5210B	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	5210B	
660-46231-G-1 DU	Duplicate	Total/NA	Water	5210B	
LCS 660-121281/3	Lab Control Sample	Total/NA	Water	5210B	
SCB 660-121281/2 SCB	Method Blank	Total/NA	Water	5210B	
USB 660-121281/1 USB	Method Blank	Total/NA	Water	5210B	

Analysis Batch: 121310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	SM 2540D	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	SM 2540D	

General Chemistry (Continued)

Analysis Batch: 121310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-3	Barnes WACS# 881	Total/NA	Water	SM 2540D	
660-46215-4	Weeks WACS# 914	Total/NA	Water	SM 2540D	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	SM 2540D	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 2540D	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	SM 2540D	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 2540D	
660-46215-10	Blank, Equipment NPDES 46215	Total/NA	Water	SM 2540D	
660-46227-C-5 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 660-121310/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 660-121310/1	Method Blank	Total/NA	Water	SM 2540D	

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Analysis Batch: 121326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	SM 2540C	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	SM 2540C	
660-46215-3	Barnes WACS# 881	Total/NA	Water	SM 2540C	
660-46215-3 DU	Barnes WACS# 881	Total/NA	Water	SM 2540C	
LCS 660-121326/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-121326/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 121352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	353.2	
660-46229-1 MS	TH-61A WACS# 22595	Total/NA	Water	353.2	
660-46229-1 MSD	TH-61A WACS# 22595	Total/NA	Water	353.2	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	353.2	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	353.2	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	353.2	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	353.2	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	353.2	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	353.2	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	353.2	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	353.2	
660-46229-10	Duplicate 1 46229	Total/NA	Water	353.2	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	353.2	
660-46229-11 MS	TH-66A WACS# 22961	Total/NA	Water	353.2	
660-46229-11 MSD	TH-66A WACS# 22961	Total/NA	Water	353.2	
LCS 660-121352/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-121352/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 121353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	353.2	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	353.2	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	353.2	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	353.2	
660-46254-4 MS	TH-40 WACS# 822	Total/NA	Water	353.2	
660-46254-4 MSD	TH-40 WACS# 822	Total/NA	Water	353.2	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	353.2	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	353.2	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	353.2	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 121353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	353.2	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	353.2	
660-46254-10 MS	TH-69A WACS# 22958	Total/NA	Water	353.2	
660-46254-10 MSD	TH-69A WACS# 22958	Total/NA	Water	353.2	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	353.2	
660-46254-12	Duplicate 46254	Total/NA	Water	353.2	
LCS 660-121353/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-121353/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 121362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-4	Weeks WACS# 914	Total/NA	Water	SM 2540C	
660-46215-4 DU	Weeks WACS# 914	Total/NA	Water	SM 2540C	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	SM 2540C	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 2540C	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	SM 2540C	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 2540C	
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	SM 2540C	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	SM 2540C	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	SM 2540C	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	SM 2540C	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	SM 2540C	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	SM 2540C	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	SM 2540C	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	SM 2540C	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	SM 2540C	
660-46229-10	Duplicate 1 46229	Total/NA	Water	SM 2540C	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	SM 2540C	
LCS 660-121362/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-121362/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 121423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46243-C-2 DU	Duplicate	Total/NA	Water	SM 2540C	
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 2540C	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	SM 2540C	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	SM 2540C	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	SM 2540C	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	SM 2540C	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	SM 2540C	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	SM 2540C	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	SM 2540C	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	SM 2540C	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	SM 2540C	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	SM 2540C	
660-46254-12	Duplicate 46254	Total/NA	Water	SM 2540C	
LCS 660-121423/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-121423/1	Method Blank	Total/NA	Water	SM 2540C	

Prep Batch: 121430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-37453-A-4-B MS	Matrix Spike	Total/NA	Water	SM 5220	

General Chemistry (Continued)

Prep Batch: 121430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-37453-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220	
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	SM 5220	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 5220	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 5220	
LCS 660-121430/4-A	Lab Control Sample	Total/NA	Water	SM 5220	
MB 660-121430/3-A	Method Blank	Total/NA	Water	SM 5220	

Analysis Batch: 121436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-37453-A-4-B MS	Matrix Spike	Total/NA	Water	5220 D	121430
640-37453-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	5220 D	121430
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	5220 D	121430
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	5220 D	121430
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	5220 D	121430
LCS 660-121430/4-A	Lab Control Sample	Total/NA	Water	5220 D	121430
MB 660-121430/3-A	Method Blank	Total/NA	Water	5220 D	121430

Analysis Batch: 121574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 4500 S2 F	
660-46254-1 DU	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 4500 S2 F	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	SM 4500 S2 F	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	SM 4500 S2 F	
LCS 660-121574/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 660-121574/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	
MB 660-121574/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 121634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	300.0	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	300.0	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	300.0	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	300.0	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	300.0	
660-46229-5 MS	TH-19 WACS# 821	Total/NA	Water	300.0	
660-46229-5 MSD	TH-19 WACS# 821	Total/NA	Water	300.0	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	300.0	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	300.0	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	300.0	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	300.0	
LCS 660-121634/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-121634/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 121664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 2320B	
660-46254-1 DU	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 2320B	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	SM 2320B	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	SM 2320B	
LCS 660-121664/2	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 660-121664/1	Method Blank	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 121685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-10	Duplicate 1 46229	Total/NA	Water	300.0	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	300.0	
660-46269-B-2 MS ^5	Matrix Spike	Total/NA	Water	300.0	
660-46269-B-2 MSD ^5	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 660-121685/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-121685/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 121695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	300.0	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	300.0	
660-46215-3	Barnes WACS# 881	Total/NA	Water	300.0	
660-46215-3 MS	Barnes WACS# 881	Total/NA	Water	300.0	
660-46215-3 MSD	Barnes WACS# 881	Total/NA	Water	300.0	
660-46215-4	Weeks WACS# 914	Total/NA	Water	300.0	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	300.0	
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	300.0	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	300.0	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	300.0	
660-46254-4 MS	TH-40 WACS# 822	Total/NA	Water	300.0	
660-46254-4 MSD	TH-40 WACS# 822	Total/NA	Water	300.0	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	300.0	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	300.0	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	300.0	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	300.0	
LCS 660-121695/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-121695/3	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 121716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-3	Barnes WACS# 881	Total/NA	Water	350.1	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	350.1	
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	350.1	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	350.1	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	350.1	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	350.1	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	350.1	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	350.1	
660-46229-7	Blank, Equipment 46229	Total/NA	Water	350.1	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	350.1	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	350.1	
660-46229-10	Duplicate 1 46229	Total/NA	Water	350.1	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	350.1	
660-46287-B-1 MS	Matrix Spike	Total/NA	Water	350.1	
660-46287-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
660-46287-B-2 MS	Matrix Spike	Total/NA	Water	350.1	
660-46287-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
LCS 660-121716/12	Lab Control Sample	Total/NA	Water	350.1	
MB 660-121716/11	Method Blank	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 121720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	350.1	
660-46215-1 MS	Holland WACS# 883	Total/NA	Water	350.1	
660-46215-1 MSD	Holland WACS# 883	Total/NA	Water	350.1	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	350.1	
660-46215-4	Weeks WACS# 914	Total/NA	Water	350.1	
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	350.1	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	350.1	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	350.1	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	350.1	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	350.1	
660-46254-6 MS	TH-28A WACS# 19862	Total/NA	Water	350.1	
660-46254-6 MSD	TH-28A WACS# 19862	Total/NA	Water	350.1	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	350.1	
660-46254-8	Blank, Equipment 46254	Total/NA	Water	350.1	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	350.1	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	350.1	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	350.1	
660-46254-12	Duplicate 46254	Total/NA	Water	350.1	
LCS 660-121720/4	Lab Control Sample	Total/NA	Water	350.1	
MB 660-121720/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 121732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	300.0	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	300.0	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	300.0	
660-46254-10 MS	TH-69A WACS# 22958	Total/NA	Water	300.0	
660-46254-10 MSD	TH-69A WACS# 22958	Total/NA	Water	300.0	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	300.0	
660-46254-12	Duplicate 46254	Total/NA	Water	300.0	
LCS 660-121732/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-121732/3	Method Blank	Total/NA	Water	300.0	

Prep Batch: 121802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	365.2/365.3/365	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	365.2/365.3/365	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	365.2/365.3/365	
660-46395-D-1-E MS	Matrix Spike	Total/NA	Water	365.2/365.3/365	
660-46395-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	365.2/365.3/365	
LCS 660-121802/11-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 660-121802/10-A	Method Blank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 121846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	365.4	121802
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	365.4	121802
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	365.4	121802
660-46395-D-1-E MS	Matrix Spike	Total/NA	Water	365.4	121802
660-46395-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	365.4	121802
LCS 660-121802/11-A	Lab Control Sample	Total/NA	Water	365.4	121802
MB 660-121802/10-A	Method Blank	Total/NA	Water	365.4	121802

General Chemistry (Continued)

Analysis Batch: 121862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-5	Blank, Equipment Surface Site 46215	Total/NA	Water	Total Nitrogen	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	Total Nitrogen	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	Total Nitrogen	

Analysis Batch: 121896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	350.1	
660-46395-D-2 MS	Matrix Spike	Total/NA	Water	350.1	
660-46395-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
LCS 660-121896/12	Lab Control Sample	Total/NA	Water	350.1	
MB 660-121896/11	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 121905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	UnionizedNH3	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	UnionizedNH3	

Prep Batch: 230083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	Distill/CN	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	Distill/CN	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	Distill/CN	
680-77181-B-1-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
680-77181-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	
LCS 680-230083/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
MB 680-230083/1-A	Method Blank	Total/NA	Water	Distill/CN	

Analysis Batch: 230120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	SM 4500 CN E	230083
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	SM 4500 CN E	230083
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	SM 4500 CN E	230083
680-77181-B-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	230083
680-77181-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	230083
LCS 680-230083/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	230083
MB 680-230083/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	230083

Biology

Analysis Batch: 121849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 9222D	
660-46215-6 DU	Surface Site 3C2 WACS# 838	Total/NA	Water	SM 9222D	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	SM 9222D	
MB 660-121849/1	Method Blank	Total/NA	Water	SM 9222D	

Field Service / Mobile Lab

Analysis Batch: 121265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	Field Sampling	
660-46215-3	Barnes WACS# 881	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 121265 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-4	Weeks WACS# 914	Total/NA	Water	Field Sampling	
660-46215-6	Surface Site 3C2 WACS# 838	Total/NA	Water	Field Sampling	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	Field Sampling	
660-46215-8	Mine Cut #1D WACS# 834	Total/NA	Water	Field Sampling	

Analysis Batch: 121314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46229-1	TH-61A WACS# 22595	Total/NA	Water	Field Sampling	
660-46229-2	TH-64 WACS# 20494	Total/NA	Water	Field Sampling	
660-46229-3	TH-36A WACS# 20329	Total/NA	Water	Field Sampling	
660-46229-4	TH-68 WACS# 22039	Total/NA	Water	Field Sampling	
660-46229-5	TH-19 WACS# 821	Total/NA	Water	Field Sampling	
660-46229-6	TH-22A WACS# 19861	Total/NA	Water	Field Sampling	
660-46229-8	TH-67 WACS# 20532	Total/NA	Water	Field Sampling	
660-46229-9	TH-65 WACS# 20530	Total/NA	Water	Field Sampling	
660-46229-11	TH-66A WACS# 22961	Total/NA	Water	Field Sampling	

Analysis Batch: 121356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46254-1	Leachate Sump 007 WACS# 20495	Total/NA	Water	Field Sampling	
660-46254-2	Leachate Sump 009 WACS# 22599	Total/NA	Water	Field Sampling	
660-46254-3	Leachate Sump 001 WACS# 919	Total/NA	Water	Field Sampling	
660-46254-4	TH-40 WACS# 822	Total/NA	Water	Field Sampling	
660-46254-5	TH-58 WACS3 1571	Total/NA	Water	Field Sampling	
660-46254-6	TH-28A WACS# 19862	Total/NA	Water	Field Sampling	
660-46254-7	TH-57 WACS# 1570	Total/NA	Water	Field Sampling	
660-46254-9	TH-70A WACS# 22959	Total/NA	Water	Field Sampling	
660-46254-10	TH-69A WACS# 22958	Total/NA	Water	Field Sampling	
660-46254-11	TH-71A WACS# 22960	Total/NA	Water	Field Sampling	

OrlandoSVC

Analysis Batch: 12B5996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5996-BLK1	Method Blank	Total	Water	SM 10200H by E83012	12B5996_P
12B5996-BS1	Lab Control Sample	Total	Water	SM 10200H by E83012	12B5996_P
12B5996-BSD1	Lab Control Sample Dup	Total	Water	SM 10200H by E83012	12B5996_P
12B5996-DUP1	Surface Site 3C2 WACS# 838	Total	Water	SM 10200H by E83012	12B5996_P
660-46215-5	Blank, Equipment Surface Site 46215	Total	Water	SM 10200H by E83012	12B5996_P
660-46215-6	Surface Site 3C2 WACS# 838	Total	Water	SM 10200H by E83012	12B5996_P
660-46215-8	Mine Cut #1D WACS# 834	Total	Water	SM 10200H by E83012	12B5996_P

Prep Batch: 12B5996_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5996-BLK1	Method Blank	Total	Water	Filtering	
12B5996-BS1	Lab Control Sample	Total	Water	Filtering	
12B5996-BSD1	Lab Control Sample Dup	Total	Water	Filtering	

OrlandoSVC (Continued)

Prep Batch: 12B5996_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12B5996-DUP1	Surface Site 3C2 WACS# 838	Total	Water	Filtering	
660-46215-5	Blank, Equipment Surface Site 46215	Total	Water	Filtering	
660-46215-6	Surface Site 3C2 WACS# 838	Total	Water	Filtering	
660-46215-8	Mine Cut #1D WACS# 834	Total	Water	Filtering	

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Holland WACS# 883

Lab Sample ID: 660-46215-1
Matrix: Water

Date Collected: 02/20/12 09:57
Date Received: 02/20/12 15:30

Prop Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 12:29	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 14:25	JB	TAL TAM
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:18	JKL	TAL SAV
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 14:06	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 11:18	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:31	KW	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121326	02/23/12 14:13	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 15:35	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:02	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 09:57		TAL TAM

10

Client Sample ID: Blank, Equipment Private Wells 46215

Lab Sample ID: 660-46215-2
Matrix: Water

Date Collected: 02/20/12 09:35
Date Received: 02/20/12 15:30

Prop Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 12:07	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 15:00	JB	TAL TAM
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:21	JKL	TAL SAV
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 14:13	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 11:55	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:35	KW	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121326	02/23/12 14:14	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 15:52	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:06	TO	TAL TAM

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3
Matrix: Water

Date Collected: 02/20/12 11:05
Date Received: 02/20/12 15:30

Prop Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 13:14	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 15:36	JB	TAL TAM
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3
Matrix: Water

Date Collected: 02/20/12 11:05
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	230033	02/24/12 15:32	JKL	TAL SAV
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 14:21	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 12:43	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:36	KW	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121326	02/23/12 14:14	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 16:08	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:53	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 11:05		TAL TAM

10

Client Sample ID: Weeks WACS# 914

Lab Sample ID: 660-46215-4
Matrix: Water

Date Collected: 02/20/12 10:29
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 14:44	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 15:54	JB	TAL TAM
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:35	JKL	TAL SAV
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 14:28	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 12:57	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:37	KW	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:11	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 16:25	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:07	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 10:29		TAL TAM

Client Sample ID: Blank, Equipment Surface Site 46215

Lab Sample ID: 660-46215-5
Matrix: Water

Date Collected: 02/20/12 13:15
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 14:22	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 16:12	JB	TAL TAM
Total Recoverable	Prep	3005A			229755	02/22/12 14:17	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	229984	02/23/12 16:57	BB	TAL SAV
Total/NA	Analysis	SM 2340B		1	230013	02/23/12 16:57	BR	TAL SAV
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV

Client Sample ID: Blank, Equipment Surface Site 46215

Lab Sample ID: 660-46215-5

Date Collected: 02/20/12 13:15
Date Received: 02/20/12 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	230033	02/24/12 15:39	JKL	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 13:08	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:38	KW	TAL TAM
Total/NA	Analysis	5210B		1	121281	02/22/12 13:10	AG	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:12	TO	TAL TAM
Total/NA	Prep	SM 5220			121430	02/27/12 13:51	JV	TAL TAM
Total/NA	Analysis	5220 D		1	121436		JV	TAL TAM
					(Start)	02/27/12 15:18		
					(End)	02/27/12 15:19		
Total/NA	Prep	365.2/365.3/365			121802	03/06/12 20:30	TO	TAL TAM
Total/NA	Analysis	365.4		1	121846	03/07/12 15:20	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	121862	03/08/12 07:36	RWF	TAL TAM
Total	Prep	Filtering		1.00	12B5996_P	02/21/12 11:26	SXJ	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	12B5996	02/24/12 08:47	SXJ	TAL ORL

10

Client Sample ID: Surface Site 3C2 WACS# 838

Lab Sample ID: 660-46215-6

Date Collected: 02/20/12 13:20
Date Received: 02/20/12 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 15:07	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 16:30	JB	TAL TAM
Total Recoverable	Prep	3005A			229755	02/22/12 14:17	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	229984	02/23/12 17:05	BB	TAL SAV
Total/NA	Analysis	SM 2340B		1	230013	02/23/12 17:05	BR	TAL SAV
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:42	JKL	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 13:23	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:40	KW	TAL TAM
Total/NA	Analysis	5210B		1	121281	02/22/12 13:10	AG	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:13	TO	TAL TAM
Total/NA	Prep	SM 5220			121430	02/27/12 13:51	JV	TAL TAM
Total/NA	Analysis	5220 D		1	121436		JV	TAL TAM
					(Start)	02/27/12 15:18		
					(End)	02/27/12 15:19		
Total/NA	Prep	365.2/365.3/365			121802	03/06/12 20:30	TO	TAL TAM
Total/NA	Analysis	365.4		1	121846	03/07/12 15:21	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	121862	03/08/12 07:36	RWF	TAL TAM
Total/NA	Analysis	UnionizedNH3		1	121905	03/08/12 16:19	RWF	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Surface Site 3C2 WACS# 838

Lab Sample ID: 660-46215-6

Date Collected: 02/20/12 13:20
Matrix: Water
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		100	121849		TO	TAL TAM
					(Start)	02/20/12 17:40		
					(End)	02/21/12 18:00		
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 13:20		TAL TAM
Total	Prep	Filtering		1.00	12B5996_P	02/21/12 11:23	SXJ	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	12B5996	02/24/12 08:48	SXJ	TAL ORL

Client Sample ID: Keen Jr. WACS# 28079

Lab Sample ID: 660-46215-7

10

Date Collected: 02/20/12 11:47
Matrix: Water
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 15:29	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 16:47	JB	TAL TAM
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:45	JKL	TAL SAV
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 14:36	BR	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 13:35	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:41	KW	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:14	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 16:41	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:52	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 11:47		TAL TAM

Client Sample ID: Mine Cut #1D WACS# 834

Lab Sample ID: 660-46215-8

Date Collected: 02/20/12 14:15
Matrix: Water
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 15:52	EC	TAL TAM
Total/NA	Prep	8011			121274	02/22/12 11:17	JB	TAL TAM
Total/NA	Analysis	8011		1	121317	02/22/12 17:05	JB	TAL TAM
Total Recoverable	Prep	3005A			229755	02/22/12 14:17	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	229984	02/23/12 17:12	BB	TAL SAV
Total/NA	Analysis	SM 2340B		1	230013	02/23/12 17:27	BR	TAL SAV
Total/NA	Prep	7470A			229752	02/22/12 14:11	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230033	02/24/12 15:49	JKL	TAL SAV
Total/NA	Analysis	SM 5310C		1	90088	02/23/12 13:52	AJN	TAL TAL
Total/NA	Analysis	353.2		1	121236	02/21/12 15:42	KW	TAL TAM
Total/NA	Analysis	5210B		1	121281	02/22/12 13:10	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Mine Cut #1D WACS# 834

Lab Sample ID: 660-46215-8
Matrix: Water

Date Collected: 02/20/12 14:15
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:14	TO	TAL TAM
Total/NA	Prep	SM 5220			121430	02/27/12 13:51	JV	TAL TAM
Total/NA	Analysis	5220 D		1	121436		JV	TAL TAM
					(Start)	02/27/12 15:18		
					(End)	02/27/12 15:19		
Total/NA	Prep	365.2/365.3/365			121802	03/06/12 20:30	TO	TAL TAM
Total/NA	Analysis	365.4		1	121846	03/07/12 15:23	TO	TAL TAM
Total/NA	Analysis	Total Nitrogen		1	121862	03/08/12 07:36	RWF	TAL TAM
Total/NA	Analysis	UnionizedNH3		1	121905	03/08/12 16:19	RWF	TAL TAM
Total/NA	Analysis	SM 9222D		100	121849		TO	TAL TAM
					(Start)	02/20/12 17:40		
					(End)	02/21/12 18:00		
Total/NA	Analysis	Field Sampling		1	121265	02/20/12 14:15		TAL TAM
Total	Prep	Filtering		1.00	12B5996_P	02/21/12 15:36	SXJ	TAL ORL
Total	Analysis	SM 10200H by E83012		1.00	12B5996	02/24/12 08:51	SXJ	TAL ORL

10

Client Sample ID: Blank, Equipment NPDES 46215

Lab Sample ID: 660-46215-10
Matrix: Water

Date Collected: 02/20/12 13:35
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			121211	02/21/12 10:50	GF	TAL TAM
Total Recoverable	Analysis	200.7 Rev 4.4		1	121284	02/22/12 12:23	GF	TAL TAM
Total/NA	Analysis	SM 2540D		1	121310	02/23/12 10:01	TO	TAL TAM

Client Sample ID: Blank, Travel 46215

Lab Sample ID: 660-46215-11
Matrix: Water

Date Collected: 02/20/12 09:30
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121368	02/22/12 11:44	EC	TAL TAM

Client Sample ID: TH-61A WACS# 22595

Lab Sample ID: 660-46229-1
Matrix: Water

Date Collected: 02/21/12 12:28
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 10:11	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 14:54	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 11:22	BR	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-61A WACS# 22595

Lab Sample ID: 660-46229-1

Date Collected: 02/21/12 12:28
Date Received: 02/21/12 16:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 12:58	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:22	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 21:28	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:31	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 12:28		TAL TAM

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Client Sample ID: TH-64 WACS# 20494

Lab Sample ID: 660-46229-2

Date Collected: 02/21/12 13:02
Date Received: 02/21/12 16:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 10:33	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 15:29	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 11:29	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:02	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:25	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 21:44	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:45	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 13:02		TAL TAM

Client Sample ID: TH-36A WACS# 20329

Lab Sample ID: 660-46229-3

Date Collected: 02/21/12 14:33
Date Received: 02/21/12 16:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 13:18	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 16:05	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 11:36	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:05	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:27	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:17	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 22:01	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:29	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 14:33		TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-68 WACS# 22039

Lab Sample ID: 660-46229-4

Date Collected: 02/21/12 13:33
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 13:41	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 16:22	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 11:44	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:08	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:28	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:17	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 22:17	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:28	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 13:33		TAL TAM

10

Client Sample ID: TH-19 WACS# 821

Lab Sample ID: 660-46229-5

Date Collected: 02/21/12 15:02
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 09:26	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 16:40	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 12:29	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:11	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:29	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:18	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 22:34	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:44	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 15:02		TAL TAM

Client Sample ID: TH-22A WACS# 19861

Lab Sample ID: 660-46229-6

Date Collected: 02/21/12 10:19
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 09:46	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 16:58	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 12:36	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:15	JKL	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-22A WACS# 19861

Lab Sample ID: 660-46229-6

Date Collected: 02/21/12 10:19
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	121352	02/22/12 13:30	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:18	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 22:50	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:36	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 10:19		TAL TAM

Client Sample ID: Blank, Equipment 46229

Lab Sample ID: 660-46229-7

Date Collected: 02/21/12 09:30
Matrix: Water
Date Received: 02/21/12 16:25

10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 12:11	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 17:16	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 12:44	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:25	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:31	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:19	TO	TAL TAM
Total/NA	Analysis	300.0		1	121634	03/01/12 23:07	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:47	TO	TAL TAM

Client Sample ID: TH-67 WACS# 20532

Lab Sample ID: 660-46229-8

Date Collected: 02/21/12 10:51
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 11:10	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 17:33	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 12:51	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:28	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:33	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:19	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 23:23	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:43	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 10:51		TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-65 WACS# 20530

Lab Sample ID: 660-46229-9

Date Collected: 02/21/12 11:51
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 11:33	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 17:51	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 12:59	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:31	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:34	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:19	TO	TAL TAM
Total/NA	Analysis	300.0		2	121634	03/01/12 23:40	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:34	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 11:51		TAL TAM

10

Client Sample ID: Duplicate 1 46229

Lab Sample ID: 660-46229-10

Date Collected: 02/21/12 00:00
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 11:53	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 18:09	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 13:06	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:34	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:35	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:20	TO	TAL TAM
Total/NA	Analysis	300.0		2	121685	03/02/12 11:47	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:33	TO	TAL TAM

Client Sample ID: TH-66A WACS# 22961

Lab Sample ID: 660-46229-11

Date Collected: 02/21/12 11:21
Matrix: Water
Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121394	02/24/12 12:16	EC	TAL TAM
Total/NA	Prep	8011			121462	02/28/12 11:01	JB	TAL TAM
Total/NA	Analysis	8011		1	121537	02/28/12 19:03	JB	TAL TAM
Total Recoverable	Prep	3005A			229909	02/23/12 16:58	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230091	02/25/12 13:58	BR	TAL SAV
Total/NA	Prep	7470A			230080	02/27/12 08:59	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 13:37	JKL	TAL SAV
Total/NA	Analysis	353.2		1	121352	02/22/12 13:39	KW	TAL TAM

Client Sample ID: TH-66A WACS# 22961

Lab Sample ID: 660-46229-11

Date Collected: 02/21/12 11:21

Matrix: Water

Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	121362	02/24/12 11:21	TO	TAL TAM
Total/NA	Analysis	300.0		2	121685	03/02/12 12:04	TS	TAL TAM
Total/NA	Analysis	350.1		1	121716	03/05/12 15:32	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121314	02/21/12 11:21		TAL TAM

Client Sample ID: Blank, Travel 46229

Lab Sample ID: 660-46229-12

Date Collected: 02/21/12 00:00

Matrix: Water

Date Received: 02/21/12 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121418	02/23/12 12:34	EC	TAL TAM

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1

Date Collected: 02/22/12 15:05

Matrix: Water

Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 19:31	RM	TAL TAM
Total/NA	Prep	3520C			121323	02/23/12 12:28	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	121411	02/24/12 14:44	SCC	TAL TAM
Total/NA	Prep	3520C			121306	02/23/12 12:26	BK	TAL TAM
Total/NA	Analysis	8270C		1	121478	02/27/12 16:06	SCC	TAL TAM
Total/NA	Analysis	8270C		1	121523	02/27/12 16:06	SCC	TAL TAM
Total/NA	Prep	3520C			90103	02/27/12 12:23	QC	TAL TAL
Total/NA	Analysis	8141A		1	90319	03/02/12 14:34	MLT	TAL TAL
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 14:35	JB	TAL TAM
Total/NA	Prep	3510C			121444	02/28/12 06:56	AG	TAL TAM
Total/NA	Analysis	8081A		1	121527	02/28/12 14:15	JLS	TAL TAM
Total/NA	Analysis	8082		1	121550	02/29/12 10:01	JB	TAL TAM
Total/NA	Prep	8151A			230074	02/27/12 08:19	CTR	TAL SAV
Total/NA	Analysis	8151A		1	230412	02/29/12 04:00	GM	TAL SAV
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:18	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:33	JKL	TAL SAV
Total Recoverable	Analysis	6020A		4	230287	02/28/12 16:32	BB	TAL SAV
Total Recoverable	Analysis	6020A		8	230287	02/28/12 16:54	BB	TAL SAV
Total Recoverable	Prep	3005A			230397	03/01/12 10:33	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		4	230599	03/02/12 23:52	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:37	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:22	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	121574	02/28/12 11:45	TS	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 007 WACS# 20495

Lab Sample ID: 660-46254-1
Date Collected: 02/22/12 15:05
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	121664	03/02/12 11:38	TS	TAL TAM
Total/NA	Analysis	300.0		200	121695	03/04/12 19:43	TS	TAL TAM
Total/NA	Analysis	350.1		80	121720	03/05/12 17:36	TO	TAL TAM
Total/NA	Prep	Distill/CN			230083	02/27/12 09:09	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	230120	02/27/12 13:21	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 15:05		TAL TAM

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2
Date Collected: 02/22/12 14:30
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 19:49	RM	TAL TAM
Total/NA	Prep	3520C			121323	02/23/12 12:28	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	121411	02/24/12 15:03	SCC	TAL TAM
Total/NA	Prep	3520C			121306	02/23/12 12:26	BK	TAL TAM
Total/NA	Analysis	8270C		1	121478	02/27/12 16:26	SCC	TAL TAM
Total/NA	Analysis	8270C		1	121523	02/27/12 16:26	SCC	TAL TAM
Total/NA	Prep	3520C			90103	02/27/12 12:23	QC	TAL TAL
Total/NA	Analysis	8141A		1	90319	03/02/12 17:56	MLT	TAL TAL
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 15:11	JB	TAL TAM
Total/NA	Prep	3510C			121444	02/28/12 06:56	AG	TAL TAM
Total/NA	Analysis	8081A		1	121527	02/28/12 14:28	JLS	TAL TAM
Total/NA	Analysis	8082		1	121550	02/29/12 10:17	JB	TAL TAM
Total/NA	Prep	8151A			230074	02/27/12 08:19	CTR	TAL SAV
Total/NA	Analysis	8151A		1	230412	02/29/12 04:16	GM	TAL SAV
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:25	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:36	JKL	TAL SAV
Total Recoverable	Analysis	6020A		4	230287	02/28/12 16:39	BB	TAL SAV
Total Recoverable	Analysis	6020A		8	230287	02/28/12 17:02	BB	TAL SAV
Total Recoverable	Prep	3005A			230397	03/01/12 10:33	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		4	230599	03/03/12 00:08	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:38	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:23	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	121574	02/28/12 11:45	TS	TAL TAM
Total/NA	Analysis	SM 2320B		1	121664	03/02/12 11:50	TS	TAL TAM
Total/NA	Analysis	350.1		80	121720	03/05/12 17:55	TO	TAL TAM
Total/NA	Analysis	300.0		400	121732	03/05/12 10:39	TS	TAL TAM
Total/NA	Prep	Distill/CN			230083	02/27/12 09:09	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	230120	02/27/12 13:22	DAM	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Leachate Sump 009 WACS# 22599

Lab Sample ID: 660-46254-2

Date Collected: 02/22/12 14:30
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 14:30		TAL TAM

Client Sample ID: Leachate Sump 001 WACS# 919

Lab Sample ID: 660-46254-3

Date Collected: 02/22/12 11:40
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 20:07	RM	TAL TAM
Total/NA	Prep	3520C			121323	02/23/12 12:28	BK	TAL TAM
Total/NA	Analysis	8270C/LL_PAH		1	121411	02/24/12 15:21	SCC	TAL TAM
Total/NA	Prep	3520C			121306	02/23/12 12:26	BK	TAL TAM
Total/NA	Analysis	8270C		1	121478	02/27/12 16:46	SCC	TAL TAM
Total/NA	Analysis	8270C		1	121523	02/27/12 16:46	SCC	TAL TAM
Total/NA	Prep	3520C			90103	02/27/12 12:23	QC	TAL TAL
Total/NA	Analysis	8141A		1	90319	03/02/12 18:11	MLT	TAL TAL
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 15:47	JB	TAL TAM
Total/NA	Prep	3510C			121444	02/28/12 06:56	AG	TAL TAM
Total/NA	Analysis	8081A		1	121527	02/28/12 14:41	JLS	TAL TAM
Total/NA	Analysis	8082		1	121550	02/29/12 10:32	JB	TAL TAM
Total/NA	Prep	8151A			230074	02/27/12 08:19	CTR	TAL SAV
Total/NA	Analysis	8151A		1	230412	02/29/12 04:32	GM	TAL SAV
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:33	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:39	JKL	TAL SAV
Total Recoverable	Analysis	6020A		4	230287	02/28/12 16:47	BB	TAL SAV
Total Recoverable	Analysis	6020A		8	230287	02/28/12 17:10	BB	TAL SAV
Total Recoverable	Prep	3005A			230397	03/01/12 10:33	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		4	230599	03/03/12 00:13	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:39	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:25	TO	TAL TAM
Total/NA	Analysis	SM 4500 S2 F		1	121574	02/28/12 11:45	TS	TAL TAM
Total/NA	Analysis	SM 2320B		1	121664	03/02/12 12:12	TS	TAL TAM
Total/NA	Analysis	300.0		200	121695	03/04/12 20:16	TS	TAL TAM
Total/NA	Analysis	350.1		80	121896	03/08/12 14:46	TO	TAL TAM
Total/NA	Prep	Distill/CN			230083	02/27/12 09:09	DAM	TAL SAV
Total/NA	Analysis	SM 4500 CN E		1	230120	02/27/12 13:24	DAM	TAL SAV
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 11:40		TAL TAM

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Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-40 WACS# 822

Lab Sample ID: 660-46254-4

Date Collected: 02/22/12 15:56
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 20:25	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 16:05	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:40	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:43	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 17:17	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:26	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:25	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 20:32	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:29	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 15:56		TAL TAM

Client Sample ID: TH-58 WACS3 1571

Lab Sample ID: 660-46254-5

Date Collected: 02/22/12 11:14
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 21:01	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 16:23	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:48	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:46	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 17:24	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:43	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:26	TO	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:27	TO	TAL TAM
Total/NA	Analysis	300.0		10	121732	03/05/12 10:56	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 11:14		TAL TAM

Client Sample ID: TH-28A WACS# 19862

Lab Sample ID: 660-46254-6

Date Collected: 02/22/12 10:37
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 21:55	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 16:41	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 07:55	BB	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-28A WACS# 19862

Lab Sample ID: 660-46254-6

Date Collected: 02/22/12 10:37
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:49	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 17:32	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:44	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:26	TO	TAL TAM
Total/NA	Analysis	300.0		2	121695	03/04/12 21:05	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:19	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 10:37		TAL TAM

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Client Sample ID: TH-57 WACS# 1570

Lab Sample ID: 660-46254-7

Date Collected: 02/22/12 10:07
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 22:13	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 16:58	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:18	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:53	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 17:39	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:45	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:27	TO	TAL TAM
Total/NA	Analysis	300.0		2	121695	03/04/12 21:22	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:23	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 10:07		TAL TAM

Client Sample ID: Blank, Equipment 46254

Lab Sample ID: 660-46254-8

Date Collected: 02/22/12 09:45
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 22:31	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 17:16	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:25	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 11:56	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 18:02	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:50	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:27	TO	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: Blank, Equipment 46254

Lab Sample ID: 660-46254-8

Date Collected: 02/22/12 09:45
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	121695	03/04/12 21:38	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:30	TO	TAL TAM

Client Sample ID: TH-70A WACS# 22959

Lab Sample ID: 660-46254-9

Date Collected: 02/22/12 14:03
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 22:49	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 17:34	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:33	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 12:06	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 18:09	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:51	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:28	TO	TAL TAM
Total/NA	Analysis	300.0		1	121695	03/04/12 21:55	TS	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:28	TO	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 14:03		TAL TAM

10

Client Sample ID: TH-69A WACS# 22958

Lab Sample ID: 660-46254-10

Date Collected: 02/22/12 13:00
Matrix: Water
Date Received: 02/22/12 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 23:07	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 17:52	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:40	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 12:09	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 18:17	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:47	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:28	TO	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:24	TO	TAL TAM
Total/NA	Analysis	300.0		10	121732	03/05/12 11:25	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 13:00		TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-46215-1

Client Sample ID: TH-71A WACS# 22960

Lab Sample ID: 660-46254-11

Date Collected: 02/22/12 12:27
Date Received: 02/22/12 17:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 23:25	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 19:03	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:05	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:48	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 12:12	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 18:24	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:53	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:29	TO	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:15	TO	TAL TAM
Total/NA	Analysis	300.0		2	121732	03/05/12 11:41	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	121356	02/22/12 12:27		TAL TAM

10

Client Sample ID: Duplicate 46254

Lab Sample ID: 660-46254-12

Date Collected: 02/22/12 00:00
Date Received: 02/22/12 17:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/23/12 23:44	RM	TAL TAM
Total/NA	Prep	8011			121408	02/27/12 10:10	JB	TAL TAM
Total/NA	Analysis	8011		1	121468	02/27/12 19:38	JB	TAL TAM
Total Recoverable	Prep	3005A			230107	02/27/12 11:06	CDJ	TAL SAV
Total Recoverable	Analysis	6020A		1	230201	02/28/12 08:55	BB	TAL SAV
Total/NA	Prep	7470A			230099	02/27/12 10:26	JKL	TAL SAV
Total/NA	Analysis	7470A		1	230248	02/28/12 12:16	JKL	TAL SAV
Total Recoverable	Analysis	6020A		1	230287	02/28/12 18:31	BB	TAL SAV
Total/NA	Analysis	353.2		1	121353	02/23/12 14:54	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	121423	02/27/12 11:29	TO	TAL TAM
Total/NA	Analysis	350.1		1	121720	03/05/12 17:25	TO	TAL TAM
Total/NA	Analysis	300.0		10	121732	03/05/12 18:17	TS	TAL TAM

Client Sample ID: Blank, Travel 46254

Lab Sample ID: 660-46254-13

Date Collected: 02/22/12 09:40
Date Received: 02/22/12 17:40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	121387	02/24/12 00:02	RM	TAL TAM

Laboratory References:

TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560

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: 660-46215-1

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 Orlando	Florida	NELAC	4	E83012
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

Certification Summary

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

TestAmerica Job ID: 660-46215-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tallahassee	Florida	NELAC	4	E81005
TestAmerica Tallahassee	Louisiana	NELAC	6	30663
TestAmerica Tallahassee	New Jersey	NELAC	2	FL012
TestAmerica Tallahassee	Oklahoma	State Program	6	9986
TestAmerica Tallahassee	Texas	NELAC	6	T104704459-11-2
TestAmerica Tallahassee	USDA	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: 660-46215-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL TAM
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL TAM
8270C/LL_PAH	Low Level PAH's	SW846	TAL TAM
8011	EDB and DBCP in Water by Microextraction	EPA	TAL TAM
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAM
8081A	Organochlorine Pesticides (GC)	SW846	TAL TAM
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL TAM
8141A	Organophosphorous Pesticides (GC)	SW846	TAL TAL
8151A	Herbicides (GC)	SW846	TAL SAV
200.7 Rev 4.4	Metals (ICP)	EPA	TAL TAM
6020A	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	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
365.4	Phosphorus, Total	EPA	TAL TAM
5210B	BOD-5	SM20	TAL TAM
5220 D	Chemical Oxygen Demand	SM20	TAL TAM
SM 2320B	Alkalinity	SM	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL TAM
SM 4500 CN E	Cyanide, Total	SM	TAL SAV
SM 4500 S2 F	Sulfide, Total	SM	TAL TAM
SM 5310C	TOC	SM	TAL TAL
Total Nitrogen	Nitrogen, Total	EPA	TAL TAM
UnionizedNH3	Ammonia, Unionized	FL-DEP	TAL TAM
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM
SM 10200H by E83012	General Chemistry Parameters		TAL ORL

Protocol References:

EPA = US Environmental Protection Agency

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

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

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

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

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

Laboratory References:

TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560

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: 660-46215-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-46215-1	Holland WACS# 883	Water	02/20/12 09:57	02/20/12 15:30
660-46215-2	Blank, Equipment Private Wells 46215	Water	02/20/12 09:35	02/20/12 15:30
660-46215-3	Barnes WACS# 881	Water	02/20/12 11:05	02/20/12 15:30
660-46215-4	Weeks WACS# 914	Water	02/20/12 10:29	02/20/12 15:30
660-46215-5	Blank, Equipment Surface Site 46215	Water	02/20/12 13:15	02/20/12 15:30
660-46215-6	Surface Site 3C2 WACS# 838	Water	02/20/12 13:20	02/20/12 15:30
660-46215-7	Keen Jr. WACS# 28079	Water	02/20/12 11:47	02/20/12 15:30
660-46215-8	Mine Cut #1D WACS# 834	Water	02/20/12 14:15	02/20/12 15:30
660-46215-10	Blank, Equipment NPDES 46215	Water	02/20/12 13:35	02/20/12 15:30
660-46215-11	Blank, Travel 46215	Water	02/20/12 09:30	02/20/12 15:30
660-46229-1	TH-61A WACS# 22595	Water	02/21/12 12:28	02/21/12 16:25
660-46229-2	TH-64 WACS# 20494	Water	02/21/12 13:02	02/21/12 16:25
660-46229-3	TH-36A WACS# 20329	Water	02/21/12 14:33	02/21/12 16:25
660-46229-4	TH-68 WACS# 22039	Water	02/21/12 13:33	02/21/12 16:25
660-46229-5	TH-19 WACS# 821	Water	02/21/12 15:02	02/21/12 16:25
660-46229-6	TH-22A WACS# 19861	Water	02/21/12 10:19	02/21/12 16:25
660-46229-7	Blank, Equipment 46229	Water	02/21/12 09:30	02/21/12 16:25
660-46229-8	TH-67 WACS# 20532	Water	02/21/12 10:51	02/21/12 16:25
660-46229-9	TH-65 WACS# 20530	Water	02/21/12 11:51	02/21/12 16:25
660-46229-10	Duplicate 1 46229	Water	02/21/12 00:00	02/21/12 16:25
660-46229-11	TH-66A WACS# 22961	Water	02/21/12 11:21	02/21/12 16:25
660-46229-12	Blank, Travel 46229	Water	02/21/12 00:00	02/21/12 16:25
660-46254-1	Leachate Sump 007 WACS# 20495	Water	02/22/12 15:05	02/22/12 17:40
660-46254-2	Leachate Sump 009 WACS# 22599	Water	02/22/12 14:30	02/22/12 17:40
660-46254-3	Leachate Sump 001 WACS# 919	Water	02/22/12 11:40	02/22/12 17:40
660-46254-4	TH-40 WACS# 822	Water	02/22/12 15:56	02/22/12 17:40
660-46254-5	TH-58 WACS3 1571	Water	02/22/12 11:14	02/22/12 17:40
660-46254-6	TH-28A WACS# 19862	Water	02/22/12 10:37	02/22/12 17:40
660-46254-7	TH-57 WACS# 1570	Water	02/22/12 10:07	02/22/12 17:40
660-46254-8	Blank, Equipment 46254	Water	02/22/12 09:45	02/22/12 17:40
660-46254-9	TH-70A WACS# 22959	Water	02/22/12 14:03	02/22/12 17:40
660-46254-10	TH-69A WACS# 22958	Water	02/22/12 13:00	02/22/12 17:40
660-46254-11	TH-71A WACS# 22960	Water	02/22/12 12:27	02/22/12 17:40
660-46254-12	Duplicate 46254	Water	02/22/12 00:00	02/22/12 17:40
660-46254-13	Blank, Travel 46254	Water	02/22/12 09:40	02/22/12 17:40

13

660-46215

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **HOLLAND WACS# 883** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-20-12 TIME 9:38
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

TIME ~~BY~~	BY ~~TIME~~	TEMP	COND	PH	DO	TURB
9:53	AB JF	23.9	411	7.27	.14	2.0
9:55	AB JF	23.9	410	7.21	.14	.70
9:57	AB JF	23.9	410	7.20	.13	.40

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

14

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

COLLECTED
DATE | TIME
2-20-12 | 9:57

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. 2-20-12 | 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 | 2:30

COMMENTS: WO#00056 Rel [signature] 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

HILLSBOROUGH COUNTY DEPT.

OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRIVATE WELLS DUPLICATE SAMPLE

PRECLEANED SAMPLE CONTAINERS: DATE . TIME

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

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: ~~DUPLICATE~~ EQ BLANK SAMPLE MATRIX: WATER OTHER MATRIX: ____

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

FIELD PARAMETERS:

N/A

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 ~~N/A~~
9:35

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 _____ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: _____ REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENT`S: W-022-0056 rel TFco 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

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. _____ | _____

LOCATION: **BARNES WACS# 881** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 2-20-12 TIME 10:46
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	1101	20.2	337	7.37	3.75	.50
JF	1103	20.2	337	7.38	3.78	.60
JF	1105	20.2	337	7.37	3.81	.50

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 11:05

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 2/25 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: _____ REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WOH 0056 Rel J.T. 2/20/12 1550
Rec [illegible] 2/20/12 1550

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **WEEKS WACS# 914** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____
PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A.Balloon ☑ JF ☐

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-20-12 TIME 10:10
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	~~TEMP~~ PH	COND	~~PH~~ TEMP	DO	TURB
JF	10:25	7.03	563	23.5	.95	.60
JF	10:27	7.05	563	23.5	.96	.60
JF	10:29	7.03	562	23.5	.97	.60

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME
2-20-12 10:29

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS ALPHA IRON
LEAD MERCURY NICKEL NITRATE NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO#0056 Rel TFinke 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

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: ABL EQ BLANK REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **SURFACE SITE ~~3A WACC# 836~~**
SAMPLE MATRIX: **WATER** OTHER MATRIX: ____ PERSONAL ENGAGED IN SAMPLE COLLECTION ☒ **A.Balloon** ☐ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
A3 JF	1:15					=

COLORS & SHEENS: YES _____ NO

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	3	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC	1	500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
4	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 | 1:15

ANALYSIS REQUESTED:

BOD5 **CHLOROPHYLL-A** **COD** **COPPER** **~~FECAL COLIFORM~~** **IRON**
MERCURY **NITRATE NITROGEN** **TDS** **TOC** **TOTAL HARDNESS**
TOTAL NITROGEN **TOTAL PHOSPHATE** **TSS** **UNIONIZED AMMONIA** **ZINC**

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: ABL REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: JFinc REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: ~~WO#~~ 0056 pd JFinc 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1551

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **SURFACE SITE 3C2 WACS# 838**
SAMPLE MATRIX: **WATER** OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A.Balloon ☑ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	1:20	19.4	241	7.06	7.13	1.9

COLORS & SHEENS: YES CLEAR NO SHEENS

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	3	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC	1	500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
4	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 1:20

ANALYSIS REQUESTED:

BOD5 CHLOROPHYLL-A COD COPPER FECAL COLIFORM IRON
MERCURY NITRATE NITROGEN TDS TOC TOTAL HARDNESS
TOTAL NITROGEN TOTAL PHOSPHATE TSS UNIONIZED AMMONIA ZINC

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO#0056 [signature] 2/20/12 1550
Rec'd [signature] 2/20/12 1550

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-10-12 | 9:30

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 2-20-12 TIME 11:28
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	11:43	24.7	360	7.63	.15	.30
JF	11:45	24.7	360	7.62	.15	.40
JF	11:47	24.7	360	7.61	.19	.40

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 | 11:47

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 [illegible] SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 | 230

COMMENTS: WO#0056 rel [signature] 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

1.5, 3.7 2.7 2.9 4.1°C

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **MINE CUT #1D WACS# 834**
SAMPLE MATRIX: **WATER** OTHER MATRIX: _____ PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ A.Balloon ☐ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JP	2:15	19.2	506	7.14	6.25	23.0=

COLORS & SHEENS: YES GREEN (NO) SHEENS

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	3	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC	1	500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
4	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 | 2:15

ANALYSIS REQUESTED:

BOD5 **CHLOROPHYLL-A** **COD** **COPPER** **FECAL COLIFORM** **IRON**
MERCURY **NITRATE NITROGEN** **TDS** **TOC** **TOTAL HARDNESS**
TOTAL NITROGEN **TOTAL PHOSPHATE** **TSS** **UNIONIZED AMMONIA** **ZINC**

Parameters LISTED IN 40 CFR PART 258, APPENDIX I

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENT'S: WO# 0056 STAFF 1.32 relinq 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL MONITORING PROGRAM

SURFACE WATER

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **SW-3C2** SAMPLE MATRIX: **WATER**

PERSONAL ENGAGED IN SAMPLE COLLECTION: ☑ A.Balloon ☐ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	1:35	19.4	241	7.06	7.13	1.9

COLORS & SHEENS: YES CLEAN (NO) SHEENS

COLLECTED DATE | TIME
2-20-12 | 1:35

SAMPLE CONTAINERS

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

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

ANALYSIS REQUESTED:

TSS, IRON ,TOTAL RECOVERABLE

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO# 0056 STAFF 1.12 Rel JF 2/20/12 1550

Rec Carl McNulty 2/20/12 1550

3/14/2012

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL MONITORING PROGRAM

BLANK-EQUIPMENT

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **BLANK- EQUIPMENT** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION: ~~☐ A.~~ Balloon ☑ JE ☐

FIELD PARAMETERS: N/A

COLLECTED
DATE | TIME
2-20-12 | 1:35

SAMPLE CONTAINERS

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

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

ANALYSIS REQUESTED:

TSS, IRON, TOTAL RECOVERABLE

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

ABOVE LISTED SAMPLES: DATE | TIME

RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 2:30

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 | 2:30

COMMENT`S: WO# 0056 rel J Finke 2/20/12 1550

Rec'd Carol McNulty 2/20/12 1550

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. 2-20-12 | 9:30

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	2-20-12 9:30

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. 2-20-12 2:30

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO#00056 rel Jeffcoat 2/20/12 1550

Rec'd Carol McNulty 2/20/12 1550

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 49

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HESW / SBLF		SITE LOCATION: Bohm	
WELL NO:	SAMPLE ID: Holland		DATE: 2/20/12

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: 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: 0938	PURGING ENDED AT: 0957	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
0953	75.0	75.0	5.0	na	7.20	23.9	411	0.14	2.0		clear	no
0955	10.0	85.0	5.0	na	7.21	23.9	410	0.14	0.70		clear	no
0957	10.0	95.0	5.0	na	7.20	23.9	410	0.13	0.40		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 Finle / TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 1004
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
let well purge 15 min before 1st read
clients notified, SEE dedicated pump / Tubing
0935 EQ Blank
0958 Post 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)

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 19

Meters: ~~HACH 0410000341256 / YSI 08H100613~~ 18

SITE NAME: HSW / SELF		SITE LOCATION: Blain	
WELL NO:	SAMPLE ID: weeks		DATE: 2/20/12

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: Valve

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

Private well

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (na feet – feet) X na gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) - FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
na	na	1010	1027	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
1015	75.0	75.0	5.0	na	7.03	23.5	563	0.95	0.60		clear	no
1021	10.0	85.0	5.0	na	7.03	23.5	563	0.96	0.60		clear	no
1027	10.0	95.0	5.0	na	7.03	23.5	562	0.97	0.60		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: Susan Fine TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1030
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: Let well purge 15 min before sampling. Client prefers use dedicated pump & tubing. 70% pH clay

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: ~~HACH04100034256 / YSI-08LI100611~~

SITE NAME: ACSW / SELF	SITE LOCATION: Balm
WELL NO:	SAMPLE ID: Barnes
	DATE: 2/20/12

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: Valve

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

Private well

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (na feet – na feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
na	na	1045	1105	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
1101	75.0	75.0	5.0	na	7.37	20.2	337	3.75	0.50		clear	no
1103	10.0	85.0	5.0	na	7.38	20.2	337	3.78	0.60		clear	no
1105	10.0	95.0	5.0	na	7.37	20.2	337	3.81	0.50		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: Jessica Tamp	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1045	SAMPLING ENDED AT: 1120
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: had well purge 1.5 min before 1st read
client meters use dedicated one
partly cloudy 70°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 08H100611~~

SITE NAME: HCSW / SELF	SITE LOCATION: Dalm
WELL NO:	SAMPLE ID: Leaks / DATE: 2/20/12

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: Wake

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

Private well

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (na feet – na feet) X na 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: 1138	PURGING ENDED AT: 1147	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
1143	75.0	75.0	5.0	na	7.63	24.7	360	0.15	0.30		clear	no
1145	10.0	85.0	5.0	na	7.62	24.7	360	0.15	0.40		clear	no
1147	10.0	95.0	5.0	na	7.61	24.7	360	0.14	0.40		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./FL): 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): [illegible]	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1156
PUMP OR TUBING DEPTH IN WELL (feet): na	TUBING MATERIAL CODE: PE	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 notified 1st well purge 15 min before 1st read. Ambient 70°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 SURFACE WATER SAMPLING

Form FD 9000-7: Field Parameter Data Sheet for Surface Water

Set A: METER # YSI: O8H100611 & HACH: 041000034256

SURVEY/PROJECT: HCSW/SELF SAMPLERS: [illegible]

STATION NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TOTAL DEPTH	SAMPLE DEPTH	WATER TEMP	DO	%SAT DO	COND	SALINITY	PH	TURBIDITY
		UNIT	yy/mm/dd	hr:min	feet	feet	Celsius	mg/L	%	µS/cm	ppt	su	NTU
		STORET CODE	73672		81903	68	10	299	301	94	480	400	82078
	3B2B		8/15/11	1235	1.70	.5-1	27	5.59	—	163	—	6.27	2.10
	3C2		↓	1350	1.60	.5-1	28.9	6.83	—	347	—	6.68	2.70
	mine cut 1		↓	1400	2.30	.5-1	30.3	5.73	—	313	—	6.65	15.8
	3A		↓	1430	.50	.10-.50	27.8	3.90	—	156	—	5.57	2.30
no water	3B2B		11/15/11										
	3C2		11/15/11	1405	—	.25-.50	21.9	6.81	—	211	—	6.68	2.40
	mine cut 1		↓	1445	—	.50-1.0	21.7	5.53	—	394	—	6.84	13.4
	3A		↓	1515	—	.25-.50	23.5	3.28	—	220	—	6.4	2.75
Eq Blank 1315	3C2		2/20/12	1350	—	.25-.50	19.4	7.13	—	241	—	7.06	1.90
Eq Blank 1330	3C2 dupes		↓	1335	—	.25-.50	19.4	7.13	—	241	—	7.06	1.90
	mine cut 1		↓	1415	—	.25-.50	19.2	6.25	—	506	—	7.14	23.0

FIELD CONDITIONS FOR STATION# _____ AT TIME _____:

CLOUD COVER (%): _____ WIND DIRECTION: _____ TIDAL STAGE: _____

PREVIOUS RAINFALL: _____ WIND SPEED (MPH/KNOTS): _____ WAVE CONDITIONS: _____

Note: This Sheet is used for recording Sample Data – Calibration information must also be documented

Form#: FFD005:09.24.09:2
Logbook ID#: NFD118:07.06.11:0

660-46229

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. 2-20-12 9:30

LOCATION: **TH-61A WACS# 22595** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: **2.0** INCH:
TOTAL DEPTH OF WELL: **20.00** Ft.
DEPTH TO WATER: 19.30 Ft.
LENGTH OF WATER COL: .7 Ft.
VOLUME TO PURGE: .1 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	12:19
PURGE RATE:	.10	GPM.
	DATE	TIME
PURGE ENDED:	2-21-12	12:28
ACT. VOL. PURGED:	.9 ~~1.4~~	GAL.
Draw Down:	20.35	

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
1 JE	12:24	24.6	188	5.71	1.64	2.50
2 JE	12:26	24.8	188	5.68	1.54	4.40
3 JE	12:26	24.9	186	5.71	1.45	5.40

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 | 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: _____ REP. OF SOLID WASTE DEPT. DATE 2-21-12 | TIME 3:10
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENT`S: WO#00056 rel JE 2/21/12 1625

Emilia Edwards 2/21/12 1625

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. 2-20-12 9:30

LOCATION: **TH-64 WACS# 20494** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

WELL DIAMETER: **2.0** INCH:
TOTAL DEPTH OF WELL: 23.00 Ft.
DEPTH TO WATER: 19.18 Ft.
LENGTH OF WATER COL: 3.82 Ft.
VOLUME TO PURGE: .6 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	12:51
PURGE RATE:	.10 GPM.	
PURGE ENDED:	2-21-12	1:02
ACT. VOL. PURGED:	1.1 GAL.	
Draw Down:	19.60	

11

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	12:58	25.3	281	5.04	1.25	12.6
JF	1:00	25.3	280	5.02	1.04	11.3
JF	1:02	25.3	280	5.00	.94	10.3

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 1:02

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES:
RELINQUISHED BY: _____ REP. OF SOLID WASTE DEPT. DATE | TIME 2-21-12 3:10
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENTS: WO#0056 w/ Time 2/21/12 1625

Emilia Edwards 1625 2/21/12

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **TH-36-A WACS# 20329** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: **2.0** INCH:

				DATE	TIME
TOTAL DEPTH OF WELL:	38.70	Ft.	PURGE STARTED:	2-21-12	2:11
DEPTH TO WATER:	33.86	Ft.	PURGE RATE:	110	GPM.
LENGTH OF WATER COL:	4.84	Ft.		DATE	TIME
VOLUME TO PURGE:	170	Gal.	PURGE ENDED:	2-21-12	2:33
			ACT. VOL. PURGED:	2.2	GAL.
			Draw Down:	33.99	

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FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	2:29	25.1	151	5.36	.42	19.4
JF	2:31	25.1	152	5.38	.41	18.3
JF	2:33	25.1	153	5.35	.43	17.9

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 2:33

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-21-12 3:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENTS: WO#00258 [signature] 2/21/12 1625

Enrique Edwards 2/21/12 1625

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **TH-68 WACS# 22039** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

WELL DIAMETER: **2.0** INCH:
TOTAL DEPTH OF WELL: 22.20 Ft.
DEPTH TO WATER: 17.02 Ft.
LENGTH OF WATER COL: 5.18 Ft.
VOLUME TO PURGE: .8 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	1:16
PURGE RATE:	.10 GPM.	
PURGE ENDED:	2-21-12	1:33
ACT. VOL. PURGED:	1.7 GAL.	
Draw Down:	20.41	

FIELD PARAMETERS: 17

BY	TIME	TEMP	COND	PH	DO	TURB
JF	1:28	25.9	250	5.57	1.51	85.2 =
JF	1:31	25.8	250	5.55	1.60	82.8
JF	1:33	25.8	250	5.51	1.62	86.0

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 1:33

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES:

		DATE	TIME
RELINQUISHED BY: [signature]	REP. OF SOLID WASTE DEPT.	2-21-12	3:10
ACCEPTED BY: [signature]	REP. OF CONTRACT LAB.	2-21-12	3:10

COMMENTS: WW#0056 rel JF 2/21/12 1425

Ennifer Edwards 2/21/12 1625

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 112.26 Ft.
LENGTH OF WATER COL: 41.34 Ft.
VOLUME TO PURGE: 6.6 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	2:51
PURGE RATE:	1.6 GPM.	
PURGE ENDED:	2-21-12	3:02
ACT. VOL. PURGED:	11 GAL.	
Draw Down:	112.41	

FIELD PARAMETERS: 11

	BY	TIME	TEMP	COND	PH	DO	TURB
B	JF	2:58	23.3	395	6.63	.78	1.10
B	JF	3:00	23.4	395	6.65	.53	.50
B	JF	3:02	23.4	395	6.67	.44	.40

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 3:02

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES:
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. DATE | TIME 2-21-12 3:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENTS: a20#0056 rel Time 2/21/12 1625

Enrique Eduardo 2/21/12 1625

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

RELINQUISHED BY: _____ REP. OF CONTRACT LAB. _____

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 7.10 Ft.
LENGTH OF WATER COL: 20.8 Ft.
VOLUME TO PURGE: 3.3 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	~~10:52~~ 9:52
PURGE RATE:	.20	GPM.
	DATE	TIME
PURGE ENDED:	2-21-12	10:19
ACT. VOL. PURGED:	5.4	GAL.
Draw Down:	9.45	

27

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	10:09	21.1	228	4.26	.40	1.70
JF	10:14	21.1	228	4.22	.37	1.30
JF	10:19	21.1	228	4.22	.36	1.40

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	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	

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

COLLECTED
DATE | TIME
2-21-12 | 10:19

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: [signature] REP. OF SOLID WASTE DEPT. DATE 2-21-12 TIME 3:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. DATE 2-21-12 TIME 3:10

COMMENT'S: WO# 0056 w/ JFR 2/21/12 1625

Ennifer Edwards 2/21/12 1625

3/14/2012

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. 2-21-12 | 9:30

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	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

14

~~10~~ 11 **TOTAL No. OF SAMPLES COLLECTED:**

COLLECTED
DATE | TIME
2-21-12 | 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: [signature] REP. OF SOLID WASTE DEPT. 2-21-12 3:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENT`S: WO# 0056 [signature] 2/21/12 1625

Emilia Edwards 2/21/12 1625

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: AB REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

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: 7.80 Ft.
VOLUME TO PURGE: 1.2 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	10:40
PURGE RATE:	.20	GPM.
	DATE	TIME
PURGE ENDED:	2-21-12	10:51
ACT. VOL. PURGED:	2.2	GAL.
Draw Down:	10.00	ft

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	1047	22.8	591	6.29	.88	12.8 =
JF	1049	22.7	593	6.30	.88	12.3
AB JF	1051	22.7	597	6.29	.80	11.5

SAMPLE CONTAINERS

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

~~10~~ 11 **TOTAL No. OF SAMPLES COLLECTED:**

COLLECTED
DATE | TIME
2.21.12 10:51

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES
RELINQUISHED BY: AB REP. OF SOLID WASTE DEPT. 2-21-12 3:10
ACCEPTED BY: JF REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENTS: WO#0056 rel JF 2/21/12 1625

Erika Edwards 2/21/12 1625 2.1, 1.5 CLO.

3/14/2012

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 15.66 Ft.
LENGTH OF WATER COL: 7.34 Ft.
VOLUME TO PURGE: 1.1 Gal.

PURGE STARTED: DATE 2-21-12 | TIME 11:39
PURGE RATE: .15 ~~.20~~ GPM.
PURGE ENDED: DATE 2-21-12 | TIME 11:51
ACT. VOL. PURGED: ____ GAL.
Draw Down: 17.60

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	11:47	24.0	271	5.28	.49	1.60
JF	11:49	24.1	270	5.27	.48	1.80
JF	11:51	24.1	269	5.29	.43	2.50

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-21-12 11:51

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: [signature] REP. OF SOLID WASTE DEPT. DATE 2-21-12 | TIME 3:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENT`S: WOH-0056 rel JFree 2/21/12 1625

Emerita Edwards 2/21/12 1625

3/14/2012

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: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **DUPLICATE** / 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
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-21-12 | _____

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. 2-21-12 | 2:10
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENT`S: WO#0056 rel [signature] 2/21/12 1625

Erica Edwards 2/21/12 1625

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | _____

LOCATION: **TH-66A WACS# 22961** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

WELL DIAMETER: **2.0** INCH:
TOTAL DEPTH OF WELL: **15.37** Ft.
DEPTH TO WATER: 10.94 Ft.
LENGTH OF WATER COL: 4.43 Ft.
VOLUME TO PURGE: .7 Gal.

	DATE	TIME
PURGE STARTED:	2-21-12	1110
PURGE RATE:	.10 ~~.25~~	GPM.
	DATE	TIME
PURGE ENDED:	2-21-12	1121
ACT. VOL. PURGED:	1.1	GAL.
Draw Down:	7.86	

FIELD PARAMETERS:

	BY	TIME	TEMP	COND	PH	DO	TURB
1	JF	1117	23.2	359	6.15	1.69	2.10
2	JF	1119	23.2	358	6.08	1.47	1.70
3	JF	1121	23.2	356	6.04	1.31	1.70

SAMPLE CONTAINERS

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

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

COLLECTED DATE	TIME
2-21-12	

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.	2-21-12	3:10
ACCEPTED BY:	[signature]	REP. OF CONTRACT LAB.	2-21-12	3:10

COMMENT'S: WO#00056 rel Time 2/21/12 1625

Emilia Edwards 2/21/12 1625

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. 2-20-12 9:30

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	2-21-12 |

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. 2-21-12 3:10

ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-21-12 3:10

COMMENTS: WO#0056 rel [signature] 2/21/12 1625

Errika Edwards 2/21/12 1625

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 100

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 22 A		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.10	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)
= (27.90 feet – 7.10 (20.80) feet) X .16 gallons/foot = 3.32 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: 1002	PURGING ENDED AT: 1019	TOTAL VOLUME PURGED (gallons): 5.40

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
1009	3.40	3.40	.20	9.50	4.26	21.1	228	.140	1.70		clear	none
1014	1.0	4.40	.20	9.45	4.22	21.1	228	.137	1.30		clear	none
1019	1.0	5.40	.20	9.45	4.22	21.1	228	.136	1.40		clear	none

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: Absen Inc TA Tampa	SAMPLER(S) SIGNATURE(S): Absen Inc	SAMPLING INITIATED AT: 0935	SAMPLING ENDED AT: 1020
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:
Clouds moving out decreased pump + Tubing Equipment 0930 Pot day good

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#: NFD106:12.21.11:7

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: ha

Meters: ~~HACH 04100034257 YSI 08H100614~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH C7		DATE: 2/21/12

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) - 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)
= (15.25 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: 1040	PURGING ENDED AT: 1051	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) (S/cm)	DISSOLVED OXYGEN (circle units) (mg/l)	TURBIDITY (NTUs)		COLOR describe	ODOR
1047	1.40	1.40	.20	9.42	6.29	22.8	591	.98	12.9		clear	
1049	.40	1.80	.20	9.80	6.30	22.7	593	.88	12.3		clear	
1051	.40	2.20	.20	10.2	6.29	22.7	597	.80	11.5			

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: Josantine TA Tampa	SAMPLER(S) SIGNATURE(S): Jason [illegible]	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1100
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			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:
disp meters used dedicated pump, Tubing 70°F partly

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#: NFD106:12.21.11:7

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 10

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 66A		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.94	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)
= (~~14.37~~ 15.37 feet - 10.94 (4.43) feet) X .16 gallons/foot = .70 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: 1110	PURGING ENDED AT: 1121	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
1117	.70	.70	.10	7.86	6.15	23.2	359	1.69	2.10		Clear	no
1119	.20	.90	.10	7.86	6.08	23.2	358	1.47	1.70		Clear	no
1121	.20	1.10	.10	7.86	6.04	23.2	356	1.31	1.70		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 Fink TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1125	SAMPLING ENDED AT: 1129
PUMP OR TUBING DEPTH IN WELL (feet): 14.37	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's meters used. dedicated pump + Tubing 7 of 8 Rot etch

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#: NFD106:12.21.11:7

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 04109034256 / YSI 08H100611~~ JR

SITE NAME: HESW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 65		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.60	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 - 15.60 (7.30) feet) x .16 gallons/foot = 1.17 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
22.0	22.0	1139	1151	1.80

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
1147	1.20	1.20	.15	15.60	5.26	24.0	271	.49	1.60		clear	yes
1149	.30	1.50	.15	15.60	5.27	24.1	270	.46	1.80		clear	yes
1151	.30	1.80	.15	15.60	5.29	24.1	269	.43	2.0		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 Frank / TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1135	SAMPLING ENDED AT: NA
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			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 Cole									

REMARKS:
clients notes used dedicated pump + Tubing 22.0ft pre clay cone DSP

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#: NFD106:12.21.11:7

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 08H100641~~

SITE NAME: HCSW / SELF	SITE LOCATION: Balm
WELL NO:	SAMPLE ID: 7H 61 A
DATE: 2/21/12	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 19.30	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)
= (20.0 feet - 19.30 .70 feet) X .16 gallons/foot = .11 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
19.0	19.0	1219	1228	.95

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1224	.55	.55	.10	20.35	5.71	24.8	188	1.64	2.50		clear	yes
1226	.70	.75	.10	20.35	5.68	24.8	188	1.54	4.40		clear	yes
1228	.20	.95	.10	20.35	5.71	24.9	186	1.45	5.40		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: Cosmo TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1213	SAMPLING ENDED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 19.0	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:
Client's meter used. Peristaltic pump & Tubing 75% Art City

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#: NFD106:12.21.11:7

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 08H100617

SITE NAME: HSW/ SELF		SITE LOCATION: Balm	
WELL NO.	SAMPLE ID: TA 64		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 19.18	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 – 19.18 (3.82) feet) X .16 gallons/foot = .61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
22.0	22.0	1251	1302	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) S/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1258	.20	.20	.10	19.60	5.04	25.3	281	1.23	12.6		clear	yes
1300	.20	.40	.10	19.60	5.02	25.3	280	1.04	11.3		clear	yes
1302	.20	1.10	.10	19.60	5.00	25.3	280	.99	10.3		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" = 0.005; 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: Jocentino TBTemp	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1247	SAMPLING ENDED AT: 1309
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			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 7.49 feet clear

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#: _____

Meters: ~~HACH 04100034256 / YSI 08H100611R~~

SITE NAME: HCSW/ SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 68		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.2	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)
= (22.20 feet - 20.2 (5.18 feet) x .16 gallons/foot = .82 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons)
21.20	21.20	1316	1333	1.80

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
1326	.90	.90	.10	20.41	6.59	25.9	250	1.63	90.0		lt Brwn	yes
1328	.30	1.20	.10	20.41	6.57	25.9	250	1.51	85.2		lt Brwn	yes
1331	.30	1.50	.10	20.41	6.55	25.8	250	1.60	82.8		lt Brwn	yes
1333	.30	1.80	.10	20.41	6.51	25.8	250	1.62	86.0		lt Brwn	yes
~~1335~~	~~.30~~	~~2.10~~	~~.10~~	~~20.41~~								

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 Lane TAT Tampa	SAMPLER(S) SIGNATURE(S): Jason Lane	SAMPLING INITIATED AT: 1310	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): 21.20	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: Well has Brownish growth inside clights meters used. dedicated pump & Tubing. cause turbs up/down 74% old

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#: NFD106:12.21.11:7

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: HCSW / SELF		SITE LOCATION: Palm	
WELL NO:	SAMPLE ID: TH 36A		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.86	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)
= (38.20 feet - 33.86 (4.34) feet) X .16 gallons/foot = .70 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): 37.20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.20	PURGING INITIATED AT: 1411	PURGING ENDED AT: 1433	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
1419	.80	.80	.10	33.99	5.63	25.1	147	.82	29.9		Lt Tan	no
1421	.20	1.0	.10	33.99	5.50	25.1	147	.55	28.8		Lt Tan	no
1423	.20	1.20	.10	33.99	5.47	25.1	147	.54	27.4		Lt Tan	no
1425	.20	1.40	.10	33.99	5.40	25.1	150	.43	27.6		Lt Tan	no
1427	.20	1.60	.10	33.99	5.38	25.1	150	.43	23.3		Lt Tan	no
1429	.20	1.80	.10	33.99	5.36	25.1	151	.42	19.4		Lt Tan	no
1431	.20	2.0	.10	33.99	5.35	25.1	152	.41	18.3		Lt Tan	no
1433	.20	2.20	.10	33.99	5.35	25.1	153	.43	17.9		Lt Tan	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./FL): 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: Scientific TA Temp	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1443
PUMP OR TUBING DEPTH IN WELL (feet): 37.20	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 ref. to 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)

Form #: FFD016:03.24.11:2
Logbook ID#: NFD106:12.21.11:7

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 0410000342387 / YSI 08H100611~~ [illegible]

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 19		DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 112.26	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 - 112.26 (41.34 feet)) x .16 gallons/foot = 6.61 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: 1451	PURGING ENDED AT: 1502	TOTAL VOLUME PURGED (gallons): 11.0

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 mg/L	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1458	7.0	7.0	1.0	112.41	6.63	23.3	395	.78	1.10		clear	no
1500	2.0	9.0	1.0	112.41	6.65	23.4	395	.53	.50		clear	no
1502	2.0	11.0	1.0	112.41	6.67	23.4	395	.44	.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 Fine TA Tampa	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1446	SAMPLING ENDED AT: 1511
PUMP OR TUBING DEPTH IN WELL (feet): 152.60	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:
Clouds meters used dedicated pump + Tubing
Pat Clay 759

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)

660-46254

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **Leachate Sump 007 WACS# 20495 (February Only)**
SAMPLE MATRIX: **WATER** OTHER MATRIX: ____ PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ A. Balloon ☑ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
BS JF	3:05	29.4	13830	6.23	1.72	NA=

COLORS & SHEENS (YES) BROWN SHEENS NO

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
1	250 ml. PLASTIC	5	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-22-12 | 3:05

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

Parameters LISTED IN 40 CFR PART 258, APPENDIX II

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-22-12 | 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-22-12 | 4:05

COMMENTS: W0460056 [signature] 2/22/12 1740
[signature] 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **Leachate Sump 009 WACS# 22599 (February Only)**
SAMPLE MATRIX: **WATER** OTHER MATRIX: ____ PERSONAL ENGAGED IN SAMPLE COLLECTION **☐ A.Balloon ☐ JF ☐**

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	2:30	29.0	21760	5.89	2.64	NA

COLORS & SHEENS: (YES) BROWN SHEENS NO

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
1	250 ml. PLASTIC	5	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME
2-22-12 2:30

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

Parameters LISTED IN 40 CFR PART 258, APPENDIX II

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-22-12 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENTS: WO#0056 [signature] 2/22/12 1740
Christian Edwards 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **Leachate Sump 001 WACS# 919 (February OnlyL**
SAMPLE MATRIX: **WATER** OTHER MATRIX: ____ PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ **A.Balloon** ☑ JF ☐

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	1140	36.5	11223	6.94	.36	NA

COLORS & SHEENS: (YES) DARK BROWN SHEENS NO

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC	1	125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
1	250 ml. PLASTIC	5	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
12	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-22-12 11:40

ANALYSIS REQUESTED:

Total Ammonia Bicarbonate Chloride Nitrate TDS Iron Mercury Sodium

Parameters LISTED IN 40 CFR PART 258, APPENDIX II

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-22-12 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENT'S: WO#00056 [signature] 2/22/12 1740
[signature] 2/22/12 1740

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. 2-20-12 9:30

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: 110.16 Ft.

LENGTH OF WATER COL: 55.74 Ft.

VOLUME TO PURGE: 8.9 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	3:41
PURGE RATE:	1.0	GPM.
PURGE ENDED:	2-22-12	3:56
ACT. VOL. PURGED:	15	GAL.
Draw Down:	110.14	

FIELD PARAMETERS: 15

BY	TIME	TEMP	COND	PH	DO	TURB
JF	4:3:50	23.4	314	7.50	.35	2.0
JF	4:3:53	23.4	308	7.52	.32	.80
JF	4:3:56	23.4	306	7.52	.31	.60

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
5	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
1	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
	LITER PLASTIC		LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME 2-22-12 3:56

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: _____ REP. OF SOLID WASTE DEPT. 2-22-12 4:05

ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENTS: WOH0056 JF 2/22/12 1740

Enrique Edwards 2/22/12 1740 4.5, 1.2, 5.6, 11.5, 1.5 Direct from Cold 7.7C 2/14/2013 CV-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: _____ REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 28.07 Ft.
LENGTH OF WATER COL: 4.85 Ft.
VOLUME TO PURGE: .7 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	11:02
PURGE RATE:	.10 GPM.	
	DATE	TIME
PURGE ENDED:	2-22-12	11:14
ACT. VOL. PURGED:	2-22-12	GAL. 1.2
Draw Down:	28.80	

FIELD PARAMETERS: 12

BY	TIME	TEMP	COND	PH	DO	TURB
JF	11:10	25.4	924	5.81	1.62	4.0
JF	11:12	25.4	885	5.78	1.47	3.10
JF	11:14	25.4	881	5.79	1.43	2.80

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 | 11:14

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 2-22-12 4:05
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENTS: WO#0056 rel JFine 2/22/12 1740
Enrique Edwards 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **TH-28A WACS# 19862** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:

				DATE	TIME
TOTAL DEPTH OF WELL:	34.30	Ft.	PURGE STARTED:	2-22-12	10:22
DEPTH TO WATER:	28.99	Ft.	PURGE RATE:	.10	GPM.
LENGTH OF WATER COL:	5.31	Ft.		DATE	TIME
VOLUME TO PURGE:	.8	Gal.	PURGE ENDED:	2-22-12	10:37
			ACT. VOL. PURGED:	1.5	GAL.
			Draw Down:	29.35	

FIELD PARAMETERS:

15

BY	TIME	TEMP	COND	PH	DO	TURB
A2 JF	10:31	25.6	276	5.22	1.62	2.70
A3 JF	10:34	25.7	271	5.15	1.58	2.50
A3 JF	10:37	25.7	271	5.14	1.55	2.30

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 10:37

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

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

ABOVE LISTED SAMPLES:

			DATE	TIME
RELINQUISHED BY:	[signature]	REP. OF SOLID WASTE DEPT.	2-22-12	4:05
ACCEPTED BY:	[signature]	REP. OF CONTRACT LAB.	2-22-12	4:05

COMMENTS: WO#00056 rel J Fine 2/22/12 1740
Ennifer Edwards 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12

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: 20.02 Ft.
LENGTH OF WATER COL: 6.81 Ft.
VOLUME TO PURGE: 1.0 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	9:57
PURGE RATE:	.20	GPM.
	DATE	TIME
PURGE ENDED:	2-22-12	10:07
ACT. VOL. PURGED:	2	GAL.
Draw Down:	20.50	

10

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AJ JF	10:03	25.9	133	5.10	.65	.40
AJ JF	10:05	25.9	136	5.09	.57	.60
AJ JF	10:07	25.9	138	5.09	.47	.50

14

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL		40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	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	

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

COLLECTED
DATE | TIME
2-22-12 | 10:07

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:
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. DATE 2-22-12 | TIME 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. DATE 2-22-12 | TIME 4:05

COMMENTS: WO#0056 [signature] 2/22/12 1740
[signature] 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

EQUIPMENT BLANK

LOCATION: ~~TH-66 WACS# 20531~~ SAMPLE MATRIX: WATER OTHER MATRIX: ____

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

WELL DIAMETER: 2.0 INCH:
TOTAL DEPTH OF WELL: 21.30 Ft.
DEPTH TO WATER: _____ Ft.
LENGTH OF WATER COL: _____ Ft.
VOLUME TO PURGE: _____ Gal.

PURGE STARTED: DATE 2-22-12 | TIME _____
PURGE RATE: _____ GPM.
PURGE ENDED: DATE _____ | TIME _____
ACT. VOL. PURGED: _____ GAL.
Draw Down: _____

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
						=

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 | 9:45

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: [signature] REP. OF SOLID WASTE DEPT. DATE | TIME 2-22-12 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENT`S: WO#0056 [signature] 2/22/12 1740
[signature] 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 27.68 Ft.
LENGTH OF WATER COL: 8.9 Ft.
VOLUME TO PURGE: 1.4 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	1:30
PURGE RATE:	.20	GPM.
PURGE ENDED:	2-22-12	2:03
ACT. VOL. PURGED:	6.6	GAL.
Draw Down:	27.92	

33

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	1:59	25.0	409	6.37	.79	18.3
AB JF	2:01	25.0	408	6.36	.79	15.8
AB JF	2:03	25.0	408	6.36	.79	14.7

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 2:03

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:
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. DATE | TIME 2-22-12 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENT`S: WO#0056 [signature] 2/22/12 1740
[signature] 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

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: 26.15 Ft.
LENGTH OF WATER COL: 8.85 Ft.
VOLUME TO PURGE: 1.4 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	12:48
PURGE RATE:	.20	GPM.
	DATE	TIME
PURGE ENDED:	2-22-12	1:00
ACT. VOL. PURGED:	2.4	GAL.
Draw Down:	26.86	

12

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
AB JF	12:56	24.5	613	6.09	.41	6.48
AB JF	12:58	24.5	614	6.09	.36	5.60
AB JF	1:00	24.5	614	6.08	.31	4.80

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 | 1:00

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 ~~N/A~~ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

		DATE	TIME
RELINQUISHED BY: [signature]	REP. OF SOLID WASTE DEPT.	2-22-12	4:05
ACCEPTED BY: [signature]	REP. OF CONTRACT LAB.	2-22-12	4:05

COMMENT`S: WO #60056 rel Time 2/22/12 1740
Elizabeth Edwards 2/22/12 1740

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. 2-20-12

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: 37.62 Ft.
LENGTH OF WATER COL: 10.16 Ft.
VOLUME TO PURGE: 1.6 Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	12:12
PURGE RATE:	.20 GPM.	
PURGE ENDED:	2-22-12	12:27
ACT. VOL. PURGED:	~~2.6~~ GAL. 3	
Draw Down:	27.59	

FIELD PARAMETERS: 15

BY	TIME	TEMP	COND	PH	DO	TURB
JF	12:21	24.1	743	6.05	.55	17.4
JF	12:24	24.1	743	6.04	.34	15.1
JF	12:27	24.1	741	6.03	.24	12.7

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 | 12:27

ANALYSIS REQUESTED:

AMMONIA-NITROGEN CHLORIDE IRON MERCURY NITRATE-NITROGEN
SODIUM TDS PARAMETERS LISTED IN 40 CFR PART258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 YES SAMPLE STORAGE: COOLER & ICE TO 4.C c

ABOVE LISTED SAMPLES:
RELINQUISHED BY: _____ REP. OF SOLID WASTE DEPT. 2-22-12 4:05
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENTS: WO# 0256 H/T For 2/22/12 1740
Enrique Edwards 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-22-12 9:30

LOCATION: ~~TH-61 WACS# 20493~~ DUP SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL DIAMETER: ~~2.0~~ INCH:
TOTAL DEPTH OF WELL: ~~25.90~~ Ft.
DEPTH TO WATER: _____ Ft.
LENGTH OF WATER COL: _____ Ft.
VOLUME TO PURGE: _____ Gal.

	DATE	TIME
PURGE STARTED:	2-22-12	
PURGE RATE:		GPM.
	DATE	TIME
PURGE ENDED:		
ACT. VOL. PURGED:		GAL.
Draw Down:		

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF						
JF						
JF						

SAMPLE CONTAINERS

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

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

COLLECTED
DATE | TIME
2-22-12 _____

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: [signature] REP. OF SOLID WASTE DEPT. DATE 2-22-12 TIME 4:05
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. DATE 2-22-12 TIME 4:05

COMMENTS: WO# 0056 w/ FML MW
Estrilon Edwards 2/22/12 1740

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **BLANK-TRAVEL** SAMPLE MATRIX: **WATER** OTHER MATRIX: _____

PERSONAL ENGAGED IN SAMPLE COLLECTION: ☑ **A.Balloon** ☑ ☐

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE | TIME
2	VOC	1:1 HCL	2-40 ml. SEPTUM VIAL	2-22-12 9:40

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: _____ REP. OF SOLID WASTE DEPT. 2-22-12 | 4:05
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-22-12 4:05

COMMENT`S: WO#00056 ml 2/22/12 1740

Errica Edwards 2/22/12 1740

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~~ R

SITE NAME: HCSW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 57		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.02	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 - 20.02 (6.81) feet) X .16 gallons/foot = 1.08 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): 26.83	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.83	PURGING INITIATED AT: 0957	PURGING ENDED AT: 1007	TOTAL VOLUME PURGED (gallons): 2.0

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
1003	1.20	1.20	.20	20.50	5.10	25.9	133	.65	0.40		clear	yes
1005	.40	1.60	.20	20.50	5.09	25.9	136	.52	0.60		Clear	yes
1007	.40	2.0	.20	20.50	5.09	25.9	138	.47	0.50		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./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0025; 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: [signature]	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 0942	SAMPLING ENDED AT: 1012
PUMP OR TUBING DEPTH IN WELL (feet): 25.83	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:
Observed water dedicated Pump + Tubing
Equipment 0945 70°C Air Clear

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 04180034256 / YSI 08H100611~~

SITE NAME: HGW/SFLF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 28A		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet:	STATIC DEPTH TO WATER (feet): 28.99	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 - 28.99 (5.31) feet) X .16 gallons/foot = .84 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: 1022	PURGING ENDED AT: 1037	TOTAL VOLUME PURGED (gallons): 1.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/l	TURBIDITY (NTUs)		COLOR describe	ODOR
1031	.90	.90	.10	29.08	5.22	25.6	276	1.62	2.70		clear	yes
1034	.30	1.20	.10	29.35	6.15	25.7	271	1.58	2.50		clear	yes
1037	.30	1.50	.10	29.36	6.14	25.7	271	1.55	2.30		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] TetraTech	SAMPLER(S) SIGNATURE(S): [illegible]	SAMPLING INITIATED AT: 1018	SAMPLING ENDED AT: 1040
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:
Clients meters used dedicated pump + Tube 72 hr

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) Clay

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#:_____

Meters: ~~HACH 04100034250 / YSI 08:H100611~~

SITE NAME: Hesw / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH58		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.07	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 - 28.07 (4.85) feet) X .16 gallons/foot = .77 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31.92	31.92	1102	1114	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
1110	.80	.80	.10	28.80	5.81	25.4	924	1.62	4.0		clear	no
1112	.20	1.0	.10	28.80	5.78	25.4	885	1.47	3.10		clear	no
1114	.20	1.20	.10	28.80	5.77	25.4	881	1.43	2.8		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 Tinga / TA Tampa	SAMPLER(S) SIGNATURE(S): Jason Tinga	SAMPLING INITIATED AT: 1056	SAMPLING ENDED AT: 1124
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: Dark Clay 73°F
Clients notes 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)

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DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: 12

Meters: ~~HACH 04100034280 / YSI 08H100611~~ R

SITE NAME: HCSW/SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH 71A		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 27.62	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)
= (37.78 feet – 27.62 (10.16 feet) X .16 gallons/foot = 1.62 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
36.78	36.78	1212	1227	3.0

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
1224	1.80	1.80	.20	27.59	6.05	24.1	743	.35	17.4		clear	no
1224	.60	2.40	.20	27.59	6.04	24.1	743	.34	15.1		clear	no
1227	.60	3.0	.20	27.59	6.03	24.1	741	.24	12.7		clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.) 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump. PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sean Tim TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1204	SAMPLING ENDED AT: 1230
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 water source dedicated pump + Tubing 74°F Bad Day

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~~ 92

SITE NAME: HCSW / SELF	SITE LOCATION: Balm
WELL NO:	SAMPLE ID: TH 69 A
DATE: 2/22/12	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 26.15	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)
= (35.0 feet - 26.15 (8.85) feet) X .16 gallons/foot = 1.41 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): 34.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34.0	PURGING INITIATED AT: 1248	PURGING ENDED AT: 1300	TOTAL VOLUME PURGED (gallons): 2.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~mS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~	TURBIDITY (NTUs)		COLOR describe	ODOR
1256	1.60	1.60	.20	26.86	6.09	24.5	613	.41	6.40		Clear	no
1258	.40	2.0	.20	26.86	6.09	24.5	614	.36	5.60		Clear	no
1300	.40	2.40	.20	26.86	6.08	24.5	614	.31	4.90		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: Colin Hyc TAT	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1240	SAMPLING ENDED AT: 1309
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			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 provided disposable pump/tubing. Batch 74906 DUPOL

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 04100034250 / YSI 06H100811~~

SITE NAME: HCSW / SELF		SITE LOCATION: Palm	
WELL NO:	SAMPLE ID: TH 70A		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 27.68	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 - 27.68 (8.90) (feet) X .16 gallons/foot = 1.42 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
35.58	35.58	1330	1403	6.60

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
1338	1.60	1.60	.20	27.88	6.50	25.0	427	2.76	171.4		lt orange	no
1340	.40	2.0	.20	27.88	6.51	25.0	426	2.72	135.0		lt orange	no
1342	.40	2.40	.20	27.90	6.49	25.0	425	2.59	90.1		lt orange	no
1347	1.0	3.40	.20	27.92	6.45	25.0	416	1.41	57.5		lt orange	no
1352	1.0	4.40	.20	27.92	6.40	25.0	412	1.09	37.5		lt orange	no
1354	.40	4.80	.20	27.92	6.41	25.0	411	1.00	30.4		lt orange	no
1359	1.0	5.80	.20	27.92	6.37	25.0	409	.79	18.3		pale orange	no
1401	.40	6.20	.20	27.92	6.36	25.0	408	.78	15.8			no
1403	.40	6.60	.20	27.92	6.36	25.0	408	.79	14.7			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 Kane / AT Tampa	SAMPLER(S) SIGNATURE(S): Jason Kane	SAMPLING INITIATED AT: 1317	SAMPLING ENDED AT: 1410
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:
plants meters used dedicated pump + tubing 74 of 6 lower

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 R

SITE NAME: HESW / SELF		SITE LOCATION: Balm	
WELL NO:	SAMPLE ID: TH40		DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 110.16	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)
= (165.90 feet – 110.16 (55.74) feet) X .16 gallons/foot = 8.91 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
164.90	164.90	1541	1556	15.0

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
1550	9.0	9.0	1.0	110.14	7.50	23.4	314	.35	2.0		clear	yes
1553	3.0	12.0	1.0	110.14	7.52	23.4	308	.32	0.80		clear	yes
1556	3.0	15.0	1.0	110.14	7.52	23.4	306	.31	0.60		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 Finch TAFTamp	SAMPLER(S) SIGNATURE(S): Jason Finch	SAMPLING INITIATED AT: 1556	SAMPLING ENDED AT: 1610
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:
clients meters used dedicated pump / tubing 24 hr delay

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
GRAB & COMPOSITE LOGBOOK

Initials: JP

Site Name: HCSW/SELF

Equipment Numbers / Descriptions: 1/SI 556

Meter Numbers: HCSW meters/03D0396 AC

Collection Devices: Grab

Grab Samples:

Sample ID:	Date	Time	Depth (ft)	pH (SU)	Temp (°C)	DO (mg/L)	Cond. (umhos/cm)	Turb. (NTU)	
Sump 001	2/22/12	1140	1-2	6.94	36.5	.36	11223	—	
Sump 002	↓	1430	valve	5.89	29.0	2.64	21260	—	
Sump 003	↓	1505	valve	6.23	29.4	1.72	13830	—	

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Composite Samples:

Sample ID:	Date Started	Time

Date Ended	Time	pH (SU)	Temp (°C)	DO (mg/L)	Cond. (umhos/cm)	Turb. (NTU)	

Sample ID:	Date Started	Time

Date Ended	Time	pH (SU)	Temp (°C)	DO (mg/L)	Cond. (umhos/cm)	Turb. (NTU)	

Site Description / Comments: 74°F part Cloudy

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46215
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	1.5, 3.7, 2.7, 2.9, 4.1 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	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46215
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 02/22/12 11:36 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46215
List Number: 1
Creator: Carroll, Rodney

List Source: TestAmerica Tallahassee
List Creation: 02/22/12 09:28 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46229
List Number: 1
Creator: Edwards, Erricka

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	2.1, 1.5 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	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46229
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 02/23/12 12:31 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.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46254
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.5,1.2,5.5,11.5,1.5,7.7 deg C CU-07 recd direct from field
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	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46254
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 02/24/12 01:35 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	

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Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-1

Login Number: 46254
List Number: 1
Creator: Delp, Eric

List Source: TestAmerica Tallahassee
List Creation: 02/24/12 05:12 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	

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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: 660-46215-2
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:
3/14/2012 11:26:07 AM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 660-46215-2

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: 660-46215-2

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Client Sample ID: Holland WACS# 883 — Lab Sample ID: 660-46215-1

Analyte	Result	Qualifier	Total Uncertainty	MDL	Unit	Dil Fac	Method	Prep Type
Gross Alpha	2.4+-1.2				pCi/L	1	900.0	Total/NA
Radium-226	2.1+-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: Blank, Equipment Private Wells 46215 — Lab Sample ID: 660-46215-2

Analyte	Result	Qualifier	Total Uncertainty	MDL	Unit	Dil Fac	Method	Prep Type
Gross Alpha	0.8+-0.8				pCi/L	1	900.0	Total/NA
Radium-226	0.3+-0.4				pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.6				pCi/L	1	Ra-05	Total/NA

Client Sample ID: Barnes WACS# 881 — Lab Sample ID: 660-46215-3

Analyte	Result	Qualifier	Total Uncertainty	MDL	Unit	Dil Fac	Method	Prep Type
Gross Alpha	6.3+-1.3				pCi/L	1	900.0	Total/NA
Radium-226	3.6+-1.1				pCi/L	1	903.0	Total/NA
Radium-228	0.1+-0.7				pCi/L	1	Ra-05	Total/NA

Client Sample ID: Weeks WACS# 914 — Lab Sample ID: 660-46215-4

Analyte	Result	Qualifier	Total Uncertainty	MDL	Unit	Dil Fac	Method	Prep Type
Gross Alpha	15.7+-2.2				pCi/L	1	900.0	Total/NA
Radium-226	13.0+-1.9				pCi/L	1	903.0	Total/NA
Radium-228	0.1+-0.8				pCi/L	1	Ra-05	Total/NA

Client Sample ID: Keen Jr. WACS# 28079 — Lab Sample ID: 660-46215-7

Analyte	Result	Qualifier	Total Uncertainty	MDL	Unit	Dil Fac	Method	Prep Type
Gross Alpha	2.9+-0.8				pCi/L	1	900.0	Total/NA
Radium-226	2.9+-0.8				pCi/L	1	903.0	Total/NA
Radium-228	0.0+-0.8				pCi/L	1	Ra-05	Total/NA

Client Sample Results

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Holland WACS# 883
Date Collected: 02/20/12 09:57
Date Received: 02/20/12 15:30

Lab Sample ID: 660-46215-1
Matrix: Water

5

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.4+-1.2					pCi/L		03/01/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.1+-0.8					pCi/L		03/02/12 10:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0+-0.7					pCi/L		03/04/12 09:35	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Blank, Equipment Private Wells 46215

Lab Sample ID: 660-46215-2

Date Collected: 02/20/12 09:35
Date Received: 02/20/12 15:30

Matrix: Water

5

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.8+-0.8					pCi/L		03/01/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.3+-0.4					pCi/L		03/02/12 10:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0+-0.6					pCi/L		03/04/12 09:35	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3

Date Collected: 02/20/12 11:05
Matrix: Water
Date Received: 02/20/12 15:30

5

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	6.3+-1.3					pCi/L		03/02/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.6+-1.1					pCi/L		03/02/12 10:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1+-0.7					pCi/L		03/04/12 09:35	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Weeks WACS# 914

Lab Sample ID: 660-46215-4

Date Collected: 02/20/12 10:29

Matrix: Water

Date Received: 02/20/12 15:30

5

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	15.7+-2.2					pCi/L		03/02/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.0+-1.9					pCi/L		03/02/12 10:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1+-0.8					pCi/L		03/04/12 09:35	1

Client Sample Results

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Keen Jr. WACS# 28079
Date Collected: 02/20/12 11:47
Date Received: 02/20/12 15:30

Lab Sample ID: 660-46215-7
Matrix: Water

5

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.9+-0.8					pCi/L		03/02/12 08:00	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.9+-0.8					pCi/L		03/02/12 10:10	1

Method: Ra-05 - Radiochemical Microbiology

Analyte	Result	Qualifier	Count Uncertainty (σ+/-)	Total Uncertainty (σ+/-)	MDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0+-0.8					pCi/L		03/04/12 09:35	1

QC Association Summary

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

TestAmerica Job ID: 660-46215-2

Rad

Analysis Batch: 121757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	900.0	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	900.0	
660-46215-3	Barnes WACS# 881	Total/NA	Water	900.0	
660-46215-4	Weeks WACS# 914	Total/NA	Water	900.0	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	900.0	

Analysis Batch: 121760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	903.0	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	903.0	
660-46215-3	Barnes WACS# 881	Total/NA	Water	903.0	
660-46215-4	Weeks WACS# 914	Total/NA	Water	903.0	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	903.0	

Analysis Batch: 121762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46215-1	Holland WACS# 883	Total/NA	Water	Ra-05	
660-46215-2	Blank, Equipment Private Wells 46215	Total/NA	Water	Ra-05	
660-46215-3	Barnes WACS# 881	Total/NA	Water	Ra-05	
660-46215-4	Weeks WACS# 914	Total/NA	Water	Ra-05	
660-46215-7	Keen Jr. WACS# 28079	Total/NA	Water	Ra-05	

Lab Chronicle

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

TestAmerica Job ID: 660-46215-2

Client Sample ID: Holland WACS# 883

Lab Sample ID: 660-46215-1
Matrix: Water

Date Collected: 02/20/12 09:57
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	121757	03/01/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	121760	03/02/12 10:10	SUB	SC0009
Total/NA	Analysis	Ra-05		1	121762	03/04/12 09:35	SUB	SC0009

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Client Sample ID: Blank, Equipment Private Wells 46215

Lab Sample ID: 660-46215-2
Matrix: Water

Date Collected: 02/20/12 09:35
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	121757	03/01/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	121760	03/02/12 10:10	SUB	SC0009
Total/NA	Analysis	Ra-05		1	121762	03/04/12 09:35	SUB	SC0009

Client Sample ID: Barnes WACS# 881

Lab Sample ID: 660-46215-3
Matrix: Water

Date Collected: 02/20/12 11:05
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	121757	03/02/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	121760	03/02/12 10:10	SUB	SC0009
Total/NA	Analysis	Ra-05		1	121762	03/04/12 09:35	SUB	SC0009

Client Sample ID: Weeks WACS# 914

Lab Sample ID: 660-46215-4
Matrix: Water

Date Collected: 02/20/12 10:29
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	121757	03/02/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	121760	03/02/12 10:10	SUB	SC0009
Total/NA	Analysis	Ra-05		1	121762	03/04/12 09:35	SUB	SC0009

Client Sample ID: Keen Jr. WACS# 28079

Lab Sample ID: 660-46215-7
Matrix: Water

Date Collected: 02/20/12 11:47
Date Received: 02/20/12 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	900.0		1	121757	03/02/12 08:00	SUB	SC0009
Total/NA	Analysis	903.0		1	121760	03/02/12 10:10	SUB	SC0009
Total/NA	Analysis	Ra-05		1	121762	03/04/12 09:35	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: 660-46215-2

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.

8

Method Summary

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

TestAmerica Job ID: 660-46215-2

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

9

Sample Summary

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

TestAmerica Job ID: 660-46215-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-46215-1	Holland WACS# 883	Water	02/20/12 09:57	02/20/12 15:30
660-46215-2	Blank, Equipment Private Wells 46215	Water	02/20/12 09:35	02/20/12 15:30
660-46215-3	Barnes WACS# 881	Water	02/20/12 11:05	02/20/12 15:30
660-46215-4	Weeks WACS# 914	Water	02/20/12 10:29	02/20/12 15:30
660-46215-7	Keen Jr. WACS# 28079	Water	02/20/12 11:47	02/20/12 15:30

10

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: March 5, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-46215-1
Holland
WACS#883
Sample Collection: 02-20-12/0957

Lab ID No: 12.1505
Lab Custody Date: 02-21-12/1226
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	2.4 ± 1.2	03-01-12/0800	EPA 900.0	1.5
Combined Radium (Radium-226 + Radium 228)	pCi/l	2.1 ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	2.1 ± 0.8	03-02-12/1010	EPA 903.0	0.8
Radium-228	pCi/l	0.0 ± 0.7	03-04-12/0935	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: March 5, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-46215-2 Eq Blank

Sample Collection: 02-20-12/0935

Lab ID No: 12.1506
Lab Custody Date: 02-21-12/1226
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	0.8 ± 0.8	03-01-12/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	0.3 ± 0.6	Calc	Calc	1.0
Radium-226	pCi/l	0.3 ± 0.4	03-02-12/1010	EPA 903.0	0.6
Radium-228	pCi/l	0.0 ± 0.6	03-04-12/0935	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: March 5, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-46215-3
Barnes
WACS#881
Sample Collection: 02-20-12/1105

Lab ID No: 12.1507
Lab Custody Date: 02-21-12/1226
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	6.3 ± 1.3	03-02-12/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.7 ± 1.1	Calc	Calc	1.0
Radium-226	pCi/l	3.6 ± 1.1	03-02-12/1010	EPA 903.0	0.8
Radium-228	pCi/l	0.1 ± 0.7	03-04-12/0935	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.

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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: March 5, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-46215-4
Weeks
WACS#914
Sample Collection: 02-20-12/1029

Lab ID No: 12.1508
Lab Custody Date: 02-21-12/1226
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	15.7 ± 2.2	03-02-12/0800	EPA 900.0	1.3
Combined Radium (Radium-226 + Radium 228)	pCi/l	13.1 ± 1.9	Calc	Calc	1.0
Radium-226	pCi/l	13.0 ± 1.9	03-02-12/1010	EPA 903.0	0.7
Radium-228	pCi/l	0.1 ± 0.8	03-04-12/0935	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: March 5, 2012

TestAmerica-Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Nancy Robertson

Field Custody: Client
Client/Field ID: 660-46215-7
Keen Jr.
WACS#28079
Sample Collection: 02-20-12/1147

Lab ID No: 12.1509
Lab Custody Date: 02-21-12/1226
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	2.9 ± 0.8	03-02-12/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	2.9 ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	2.9 ± 0.8	03-02-12/1010	EPA 903.0	0.7
Radium-228	pCi/l	0.0 ± 0.8	03-04-12/0935	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

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Robertson, Nancy	Carrier Tracking No(s):	COC No: 660-42583.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: nancy.robertson@testamericainc.com		Page: Page 1 of 1
Company: KNL Laboratory Services				Job #: 660-46215-1
Address: 2742 North Florida Avenue,	Due Date Requested: 3/1/2012			
City: Tampa	TAT Requested (days):			
State, Zip: FL, 33601				
Phone: 813-229-2879(Tel)	PO #:			
Email:	WO #:			
Project Name: Southeast Landfill	Project #: 66003915			
Site:	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)	900.0/ Gross Alpha	903.0/ Radium 226	904.0/ Radium 228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
Holland WACS# 883 (660-46215-1)	2/20/12	09:57 Eastern		Water			X	X	X	3	
Eq Blank (660-46215-2)	2/20/12	09:35 Eastern		Water			X	X	X	3	
Barnes WACS# 881 (660-46215-3)	2/20/12	11:05 Eastern		Water			X	X	X	3	12.1505-09
Weeks WACS# 914 (660-46215-4)	2/20/12	10:29 Eastern		Water			X	X	X	3	
Keen Jr. WACS# 28079 (660-46215-7)	2/20/12	11:47 Eastern		Water			X	X	X	3	

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: 2-21-12	1226	Company: TA TPA	Received by:	Date/Time: 02-21-12 1226	Company: 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:

3/14/2012

660-46215

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: **HOLLAND WACS# 883** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☑ **A.Balloon** ☑ JF ☐

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 2-20-12 TIME 9:38
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

~~BY~~ TIME	~~TIME~~ BY	TEMP	COND	PH	DO	TURB
9:53	AB JF	23.9	411	7.27	.14	2.0
9:55	AB JF	23.9	410	7.21	.14	.70
~~9:57~~	~~AB JF~~	~~23.9~~	~~410~~	~~7.20~~	~~.13~~	~~.40~~

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 | 9:57

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. 2-20-12 | 2:30
ACCEPTED BY: TFino REP. OF CONTRACT LAB. 2-20-12 | 2:30

COMMENTS: WO#00556 Rel TFino 2/20/12 1550
Rec Carol McNulty 2/20/12 1550

HILLSBOROUGH COUNTY DEPT.

OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRIVATE WELLS DUPLICATE SAMPLE

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: _____ REP. OF SOLID WASTE DEPT. 2-20-12 9:30

LOCATION: ~~DUPLICATE~~ EQ BLANK SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ ~~A.Balloon~~ ☑ JF ☐

FIELD PARAMETERS:

N/A

SAMPLE CONTAINERS

QTY.	CONTAINER DESCRIPTION	QTY.	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 ~~N/A~~
9:35

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. 2-20-12 2:30
ACCEPTED BY: _____ REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENT`S: 12 0200056 rel TFxo 2/20/12 1550
Rec Lowl McNulty 2/20/12 1550

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. _____ | _____

LOCATION: **BARNES WACS# 881** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

PERSONAL ENGAGED IN SAMPLE COLLECTION ☐ **A.Balloon** ☐ ☐

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 2-20-12 TIME 10:46
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	1101	20.2	337	7.37	3.75	.50
JF	1103	20.2	337	7.38	3.78	.60
JF	1105	20.2	337	7.37	3.81	.50

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 11:05

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 2-25 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WOTF 0056 Rel [signature] 2/20/12 1550
Rec'd [signature] 2/20/12 1550

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

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-20-12 | 9:30

LOCATION: **WEEKS WACS# 914** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 2-20-12 TIME 10:10
ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	~~TEMP~~ PH	COND	~~PH~~ TEMP	DO	TURB
JF	10:25	7.03	563	23.5	.95	.60
JF	10:27	7.05	563	23.5	.96	.60
JF	10:29	7.03	563	23.5	.97	.60

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED DATE | TIME
2-20-12 10:29

ANALYSIS REQUESTED:

ANTIMONY AMMONIA-N ARSENIC BARIUM BERILLIUM CADMIUM
CHLORIDES CHROMIUM COBALT COPPER GROSS ALPHA IRON
LEAD MERCURY NICKEL NITRATE NITROGEN
RADIUM-226 & 228 SELENIUM SILVER SODIUM TDS
THALLIUM TOC TSS VANADIUM ZINC
Parameters LISTED IN 40 CFR PART 258, APPENDIX I-8260/8011

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

ABOVE LISTED SAMPLES: DATE | TIME
RELINQUISHED BY: [signature] REP. OF SOLID WASTE DEPT 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO#0056 rel JF [signature] 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE COC SHEET

SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: DATE | TIME

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

ACCEPTED BY: [signature] REP. OF SOLID WASTE DEPT. 2-10-12 9:30

LOCATION: **Keen Jr. WACS# 28079** SAMPLE MATRIX: **WATER** OTHER MATRIX: ____

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

WELL VOLUME TO PURGE: **15** MIN: PURGE STARTED: DATE 2-20-12 TIME 11:28

ACTUAL PURGE TIME: _____ MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
JF	11:43	24.7	360	7.63	.15	.30
JF	11:45	24.7	360	7.62	.16	.40
JF	11:47	24.7	360	7.61	.19	.40

SAMPLE CONTAINERS

QTY	CONTAINER DESCRIPTION	QTY	CONTAINER DESCRIPTION	PRESERVED
6	40 ml VIAL	3	40 ml VIAL	
2	125 ml. PLASTIC		125 ml. PLASTIC	
	125 ml GLASS		125 ml GLASS	
	250 ml. PLASTIC	2	250 ml. PLASTIC	
	250 ml. GLASS		250 ml. GLASS	
	500 ml. PLASTIC		500 ml. PLASTIC	
	500 ml. GLASS		500 ml. GLASS	
2	LITER PLASTIC	3	LITER PLASTIC	
	LITER GLASS		LITER GLASS	
	BACTERIAL		BACTERIAL	

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

COLLECTED
DATE | TIME
2-20-12 | 11:47

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. 2-20-12 2:30
ACCEPTED BY: [signature] REP. OF CONTRACT LAB. 2-20-12 2:30

COMMENTS: WO#0056 rel [signature] 2/20/12 1550
Rec'd Carol McNulty 2/20/12 1550

1.5, 3.7 2.7 2.9 4.1°C
CM07

3/14/2012

Login Sample Receipt Checklist

Client: Hillsborough County Public Utilities Dep

Job Number: 660-46215-2

Login Number: 46215
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	1.5, 3.7, 2.7, 2.9, 4.1 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	