TtNUS/TAL-11-027/2360-6.1

March 25, 2011

Florida Department of Environmental Protection
Bureau of Waste Cleanup
ATTN: Mr. Joe McGarrity, MS #4535
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Reference: Florida Department of Environmental Protection Contract HW525
Comprehensive Environmental Response, Compensation, and Liability Act/Superfund Amendments and Reauthorization Act Site Assessments and Targeted Brownfields Assessments
Cooperative Agreement No. RP95439509

Subject: Supplemental Environmental Site Assessment Letter Report for the Rails to Trails Keen Parcel Site, Tampa, Hillsborough County, Florida

Dear Mr. McGarrity:

Tetra Tech NUS, Inc. (Tetra Tech) is pleased to submit the Florida Department of Environmental Protection (FDEP) this Supplemental Environmental Site Assessment (ESA) Letter Report for the Rails to Trails property (hereafter referred to as the Site) at the Rails to Trail Keen Parcel (RTKP) located in the City of Tampa, in Hillsborough County, Florida, Section 16, Township 30 South, and Range 18 East (Figure 1). The geographic center of the Site is located at Latitude 27° 52' 11.60" N, Longitude 82° 31' 03.64" W.

This Supplemental ESA provides additional soil laboratory analytical data for the ESA Report completed on December 30, 2009. The scope of the supplemental ESA was to collect additional surface and subsurface soil samples to further evaluate the extent of soil contamination identified during the field events conducted July 27 through July 30, 2009, by characterizing the presence and extent of polynuclear aromatic hydrocarbons (PAHs) and arsenic at the Site.

This report has been tasked by the FDEP through Task Assignment 20F, dated October 27, 2010, under FDEP Contract Number HW525.

Introduction

A Phase II ESA was conducted by Tetra Tech in July 2009 for the FDEP with State Response Program grant funding provided by the United States Environmental Protection Agency's (USEPA) Brownfields Program. The scope of the original ESA was to collect environmental samples to investigate the presence or absence of contaminants in soil at the Site.

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The assessment results revealed PAHs and arsenic were present at concentrations exceeding Florida Soil Cleanup Target Levels (SCTLs). To help determine the extent of site contamination, DEP tasked Tetra Tech to conduct a supplemental sampling event to collect additional surface soil, subsurface soil, and groundwater samples. The findings for the supplemental assessment are provided in this letter report.

Activities outlined in this letter report were conducted in general accordance with applicable portions of Chapters 62-780 and 62-785, Florida Administrative Code (F.A.C.). Information obtained to develop this supplemental ESA report was based on a review of the FDEP Site file, and the following:

- Tetra Tech and FDEP joint site visit conducted on January 21, 2009;
- Tetra Tech and FDEP scoping meetings held on March 12, 2009 and August 3, 2010; and
- Sampling activities and analytical results of environmental samples collected during the weeks of July 27, 2009 and August 23, 2010.

Site Description and Investigation History

The Site is located at 6620 South Manhattan Avenue on the eastern side South Manhattan Avenue, north of Interbay Boulevard, and south of West Rembrandt Drive in southwestern Hillsborough County. A Site vicinity map is provided as Figure 2. The Site is a relatively undeveloped parcel with the exception of unimproved service roads. A former railroad corridor borders the northern and eastern sides of the Site with a former spur running down the center. An offsite drainage canal (as of 1965) runs along the eastern property boundary. Activities observed in aerial photographs of the Site from 1965 to 1995 include construction of the unimproved service roads and increased residential and commercial development surrounding the Site. Based on a review of aerial photographs, the Site has remained vacant and does not appear to have been used for any commercial purposes for the past 47 years. The City's Parks and Recreation Department is planning to construct a passive park for area residents and would like to convert the former rail spur corridor that runs though the property to a recreational hiking trail. The proposed trail will provide a link with the City's South Tampa Greenway Trail and will run from Picnic Island and Bayshore Boulevard to the Friendship Bridge Trail.

The Site is comprised of disturbed upland vegetative communities including remnant pine flatwoods and oak hammock. Wetlands are not present on the Site. A stormwater drainage canal borders the Site on the northwestern and southeastern sides and bisects the Site from the southeast to northwest.

A Phase I ESA was performed by WRS Infrastructure and Environment, Inc. (WRS) for FDEP in August 2002. The purpose of the Phase I ESA was to collect and analyze sufficient information to identify recognized environmental conditions (RECs) and, if necessary, provide a basis for conducting a Phase II ESA Investigation. WRS identified one recognized environmental condition during the Phase I ESA of the site. They stated that *"The recognized environmental condition is a railroad corridor that makes the northern and eastern boundary of the subject site."* Other possible RECs identified in the Phase I ESA consisted of the drainage canals and a minor amount of domestic and commercial debris scattered throughout the Site.

In addition, the Phase I ESA indicated that the "*Review of historical aerial photos for the project site revealed a relatively undeveloped Parcel with the exception of unimproved service roads, an abandoned railroad corridor bordering the north and east sides of the Parcel with a spur running down the center, and a drainage canal as of 1965. Significant activities noted at the Parcel from 1965 to 1995 were the construction of unimproved service roads, and increased residential and commercial development surrounding the Parcel. The Parcel has not been used for any residential or commercial purposes for the past 39 years."*

Conclusions or recommendations were not provided by WRS in the Phase I ESA. However, a limited Phase II ESA was completed by WRS the following month (September 2002). The limited Phase II ESA was conducted to further evaluate the former railroad corridor. This assessment consisted of collecting

10 surface soil samples from a depth of 6 inches on 140-foot intervals adjacent to the central rail line located within the Site boundaries. These 10 samples were analyzed for arsenic and PAHs.

Analytical results for these samples indicated exceedances of Florida residential and industrial direct exposure SCTLs for arsenic and PAHs. The arsenic concentrations ranged from 1.3 to 36.3 milligrams per kilogram (mg/kg). Arsenic was detected in 8 of the 10 samples at concentrations exceeding the Florida residential direct exposure SCTL of 0.8mg/kg that was in effect at that time[1]. Arsenic was also detected in four of the eight samples at concentrations exceeding the Florida industrial direct exposure SCTL of 3.7 mg/kg that was in effect at that time[2]. The sample locations with industrial direct exposure SCTL exceedances were at the northern portion of the Site adjacent to the bend in the rail line and near the junction between the center rail line and the perimeter rail line.

The PAHs were not evaluated for benzo(a)pyrene (BAP) Toxic Equivalency Quotient (TEQ) comparisons because at that time, Florida SCTLs did not include TEQs for PAHs. However, the PAH congeners were compared directly to their individual SCTLs in effect at the time the report was written.

The PAH screening criteria presented in the limited Phase II ESA Report indicated that benzo(b)fluoranthene, BAP, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding the Florida residential direct exposure SCTLs. Of the three PAHs detected above their residential direct exposure SCTLs, only BAP exceeded its industrial direct exposure SCTL in one sample.

The WRS Limited Phase II ESA Report recommended:

- *"Conduct additional assessment in the areas above SRLs [this is believed to be a typographical error and is believed to mean SCTLs] for arsenic and/or PAHs to fully define the horizontal and vertical extent of the soil contamination exceeding the SRLs [SCTL]."*
- *"Conduct a source removal following the general guidelines in Chapter 62-770.300 FAC with proper disposal of the contaminated soil from the areas to be determined to be above the SRLs. Confirmation soil samples should be collected from the source removal limits for laboratory analyses as appropriate for arsenic and/or PAHs. After collection of the confirmation samples, the source removal area should be backfilled and compacted to the existing land surface."*

In July 2009, Tetra Tech conducted an additional limited Phase II ESA for the FDEP with State Response Program grant funding provided by the USEPA Brownfields Program. The purpose of this limited Phase II ESA was to collect environmental samples to investigate for the presence or absence of soil contamination by arsenic and PAHs at the Site.

The Limited Phase II ESA investigation, completed by Tetra Tech, indicated several locations along the rail spur and southeastern rail corridor, where surface soil samples were collected from 0 to 2-feet beneath the land surface (bls), contained arsenic, BAP, and corresponding BAP TEQs at concentrations that exceed Florida residential direct exposure SCTLs (Appendix 1). One surface soil sample also contained the PAH BAP and BAP TEQs above Florida SCTLs for industrial direct exposure and leachability to groundwater. Arsenic, BAP, and the corresponding BAP TEQs were also detected in subsurface soil samples collected along the former rail lines at concentrations above Florida residential direct exposure SCTLs. However, interpretation of the data suggests the contaminant concentrations are lower in the subsurface soils.

In addition to the areas of concern that were sampled, one sample location (HA16), located in an area of illegal dumping, contained arsenic and the BAP TEQ at concentrations exceeding Florida SCTLs.

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[1] The FDEP's Direct Exposure SCTL for arsenic for residential settings was modified in February 2005 from 0.8 mg/kg to 2.1 mg/kg.
[2] The FDEP's Direct Exposure SCTL for arsenic for commercial/industrial settings was revised in February 2005 from 3.7 mg/kg to12 mg/kg.

Results from Tetra Tech's Limited Phase II ESA are summarized in Tetra Tech's December 2009 Limited Phase II ESA Report and provided in Appendix 1.

Tetra Tech's December 2009 Limited Phase II ESA Report concluded and recommended that:

- Soil analytical results indicate BAP, calculated BAP TEQs, and arsenic are present in surface soils and subsurface soils above Florida SCTLs. However, the soil contamination at the Site appears to be limited to the former rail spur and southeastern rail corridor. It should be noted that sampling was not conducted to evaluate the northeastern rail corridor because this area is not included in the City's Phase I Redevelopment Plan for the park.

Based on the findings, it appears that the vertical extent of some contamination at the Site has been delineated. However, additional sampling may be needed to further evaluate the horizontal extent of the soil contamination along the former rail lines.

Supplemental Assessment Field Activities

From August 23 through August 26, 2010, Tetra Tech collected additional surface and subsurface soil samples to delineate the extent of arsenic and PAHs that were detected in the surface and subsurface samples collected during the July 2009 sampling event. The soil sampling locations were selected based on the previous Phase II ESA activities (WRS September 2002, TtNUS July 2009). Forty-one soil-sampling locations were designated for this assessment. Figures 3 and 4 present the sample locations for the surface soil locations from 0 to 0.5 ft bls. Figures 5 and 6 present the sample locations for the surface soil sample locations from 0.5 feet to 2 feet bls. In addition, groundwater samples were collected from five temporary monitoring wells installed during the soil sampling activities. The locations of temporary monitoring wells are shown on Figures 3, 4, 6, and 11.

Soil samples were collected using a 3.25-inch diameter stainless steel hand auger. A separate pre-decontaminated stainless steel hand auger bucket was used for each sample interval. A stainless steel spoon was used to retrieve the sample from the auger bucket, which was placed into a Pyrex® glass bowl and quartered multiple times (i.e., standard method for homogenizing soil samples) to assure sample heterogeneity. The sampling equipment was decontaminated prior to commencement of field activities. Decontamination procedures were conducted in general accordance to USEPA Field Branches Quality System and Technical Procedures (FBQSTP) dated November 1, 2007, Sections 2.3, 2.4 and FDEP Standard Operating Procedure FC1000.

Table 1 provides a summary of the additional soil samples collected during the supplemental sampling activities. Soil samples were collected at 0 to 0.5 ft and 0.5 to 2 ft at 41 sampling locations (82 samples). Five soil sample locations were co-located with groundwater sampling locations and were sampled from the 0 to 0.5 ft, 0.5 to 2 ft and 2 to 4 ft intervals, which yielded an additional five soil samples for an overall total of 87 soil samples. The sample identification number and analytical parameters for each soil sample location are presented on Table 1. Horizontal spacing is approximately 35 feet. Soil samples collected from sixteen locations were analyzed for only arsenic, eight locations were analyzed for only PAHs and 17 locations were analyzed for both PAHs and arsenic.

Initially only the 0 to 0.5 ft samples were analyzed at locations adjacent to previously sampled points that had contaminants exceeding a Florida SCTL. If laboratory analytical results indicated an exceedance of SCTLs for the 0-0.5 foot sample then the next deeper sample (0.5 to 2 ft) was analyzed to determine the vertical extent of arsenic and/or PAHs present at each location. The above process was repeated until the surface soil sample analytical results were determined to not exceed Florida SCTLs

Tetra Tech also installed five temporary monitoring wells to a depth of approximately five feet bls (Figures 3, 4, 6, and 11) to determine potential ground water impacts. Each well was constructed of nominal 1-inch diameter, pre-packed schedule-40 polyvinylchloride (PVC) screen. The monitoring well screen consisted of 5 feet of 0.10-inch pre-packed slotted screen with a PVC end-cap. The wells were screened across the water table that was encountered at the time of well installation.

The temporary monitoring wells were installed using a stainless steel hand auger to complete a boring to a depth of approximately 5 feet bls. The temporary well construction involved the placement of a sleeve that was inserted into the boring. After the sleeve was inserted into the boring, the temporary well was placed in the sleeve and the plastic end cap at the end of the sleeve was knocked out. The sleeve was then removed leaving the temporary monitoring well exposed to the formation.

Each temporary monitoring well was developed with a peristaltic pump and new disposable tubing. Well development continued until relatively clear water with turbidity less than 20 Nephelometric Turbidity Units (NTUs) was obtained, and field parameters including pH, conductivity, and temperature were stabilized in accordance with FDEP Standard Operating Procedures (SOPs). After development, three of the temporary monitoring wells had turbidity readings greater than 10 NTUs; RTKP-MW02 (17.7 NTU), RTKP-03 (75.6 NTU), and RTKP-MW05 (22.8 NTU). Groundwater samples collected from monitoring wells RTKP-MW01 RTKP-MW04 and RTKP-MW05 were analyzed for PAHs and arsenic, and samples from monitoring wells RTKP-MW02 and RTKP0-MW03 were analyzed for only arsenic. Table 2 provides a summary of the groundwater samples collected during the 2010 supplemental sampling activities.

Monitoring well installation, purging, sampling, removal and abandonment was conducted in general accordance with FDEP SOPs and USEPA FBQSTP dated November 1, 2007, Section 3.1 and in compliance with the Southwest Florida Water Management District rules and regulations.

The soil and groundwater samples were placed in a cooler with “wet” ice and shipped under chain of custody protocol to a fixed base laboratory for analysis. The soil and groundwater samples were analyzed for PAHs by using USEPA Method 8270C and arsenic by USEPA Method 6010B (Tables 1 and 2). A copy of the laboratory analytical report for the soil and groundwater samples is attached at the end of this report.

Soil Analytical Results

Laboratory analysis of the 41 surface soil samples indicated the presence of 17 PAHs, and arsenic at concentrations greater than instrument detection limits. The analytical results are presented in Tables 3 and 4, and Figures 7 through 10.

Soil Sample Results for the 0 to 0.5-foot Interval

Seventeen PAHs and arsenic were present in soil samples collected from the 0 to 0.5-foot interval at concentrations exceeding the laboratory instrument detection limits. Three of the analytes [BAP, benzo(a)anthracene and benzo(b)fluoranthene] were present at concentrations exceeding Florida SCTLs for residential and industrial direct exposure and leachability to groundwater, and BAP TEQ criteria. The analytical results for these soil samples are presented in Table 3 and Figures 7 and 8.

BAP was detected at a concentration exceeding the Florida residential direct exposure SCTL of 100 µg/kg in nine samples. Results for these samples from 132 to 1,160 µg/kg. In addition, at two sample locations, HA01CA (774 µg/kg), and HA10EB (1,160 µg/kg) BAP also exceeded the Florida industrial direct exposure SCTL of 700 µg/kg.

Benzo(a)anthracene was detected in the surface soil samples from locations HA001CA (983 µg/kg) and HA10EB (1,510 µg/kg) and exceed the Florida leachability to groundwater SCTL of 800 µg/kg. Benzo(b)fluoranthene was detected in the surface soil sample from location HA01CA at a concentration of 2850 µg/kg, which exceeds the Florida leachability to groundwater SCTL of 2,400 µg/kg.

BAP TEQs exceed the Florida residential direct exposure SCTL of 100 µg/kg in 12 samples. Results for these samples range from 10.44 to 1,666.77 µg/kg. In addition, at two sample locations, HA01CA (1,487.91 µg/kg), and HA10EB (1,666.77 µg/kg) BAP TEQs also exceeded the Florida industrial direct exposure SCTL of 700 µg/kg.

Arsenic was detected at concentrations exceeding its Florida residential direct exposure SCTL of 2.1 mg/kg in 12 surface soil samples. The arsenic levels detected ranged from 4.2 to 56.8 mg/kg and samples RTKP-HA01CA-0.5-08010 (25.7 mg/kg), RTKP-HA6CC-0.5-0810 (56.8 mg/kg), RTKP-HA9EA-0.5-0810 (12.0 mg/kg), and RTKP-HA9EC-0.5-0810 (42.0 mg/kg) exceeded the Florida industrial direct exposure SCTL of 12 mg/kg.

Surface Soil Sample Results for the 0.5- to 2.0-foot Interval

Analytical results of soil samples collected from the 0 to 0.5-foot surface soil samples indicate that Florida SCTLs were exceeded for BAP and BAP TEQs at 12 locations and for arsenic at 12 locations. Based on these analytical results, a request was made to the laboratory to analyze the next deeper soil sample interval (0.5 to 2 foot) for LLPAHs and/or arsenic. Thirteen PAHs and arsenic were present in soil samples collected from the 0.5 to 2.0 foot interval at concentrations exceeding the laboratory instrument detection limits. The analytical results for soil samples collected from 0.5 to 2 feet bls are presented in Table 4 and Figures 9 and 10.

The 0.5 to 2.0 ft sample interval was not collected at locations RTKP-HA01CC and RTKP-HAW05W because the groundwater table was encountered prior to reaching the sample depth interval. .

Analytical results for the 17 soil samples collected from 0.5 to 2.0 feet bls indicate that PAHs, and arsenic were detected at concentrations that exceed their laboratory instrument detection limits. However, of the 13 PAHs reported in samples collected from 0.5 to 2 feet bls at concentrations exceeding laboratory instrument detection limits, only BAP, benzo(a)anthracene and the BAP TEQs were detected at concentrations that exceed Florida SCTLs.

BAP was detected at concentrations exceeding the Florida residential direct exposure SCTL of 100 µg/kg in six samples. BAP was detected at concentrations ranging from 102 to 1,720 µg/kg. In addition, a sample from location, HA10C (1,720 µg/kg) exceeded the Florida industrial direct exposure SCTL of 700 µg/kg.

Sample RTKP-HA10C-2.0-0810 contained benzo(a)anthracene a concentration of 851 µg/kg, which exceeds the Florida leachabilty to groundwater SCTL of 800 µg/kg.

BAP TEQs exceeded the Florida residential direct exposure SCTL of 100 µg/kg in seven samples. BAP TEQs ranged from 102 to 2,575.74 µg/kg in these samples. BAP TEQs for sample locations, HA03CA (787.16 µg/kg) and HA10C (2,575.74 µg/kg) also exceeded the Florida industrial direct exposure SCTL of 700 µg/kg.

Arsenic was detected at concentrations that exceed the Florida residential direct exposure SCTL of 2.1 mg/kg in four surface soil samples. Results for these samples ranged from 5.8 to 62.6 mg/kg. Sample locations: HA06CC (21.5 µg/kg), HA09EA (14.1 µg/kg) and HA09EC (62.6 µg/kg) contained arsenic at concentrations that exceed the Florida industrial direct exposure SCTL of 12 µg/kg.

Groundwater Analytical Results

Groundwater samples were collected from five temporary monitoring wells installed during soil sampling activities (Figure 11). Prior to collecting the groundwater samples, geochemical field parameters were collected during the purging of the monitoring wells using a YSI 556 Water Quality Multimeter. A summary of geochemical field parameters is presented below. In general, the geochemical field parameters (pH, specific conductance, temperature, and dissolved oxygen) were within expected ranges for the surficial aquifer.

GROUNDWATER PARAMETERS – FIELD

RAILS TO TRAILS KEEN PROPERTY
TAMPA, FLORIDA

Sample Location	Time	Color (visual)	pH (SU)	S.C. (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)
RTKP-MW01	08:15	Clear	5.20	0.283	25.91	9.8	1.59
RTKP-MW02	11:10	Clear	4.03	0.118	28.61	17.7	0.18
RTKP-MW03	14:26	Clear	4.98	0.129	28.34	75.6	0.48
RTKP-MW04	14:46	Clear	6.18	0.625	26.67	2.67	1.16
RTKP-MW05	1400	Clear	3.96	0.036	30.19	22.8	1.63

Samples collected on August 26, 2010.
mS/cm = Micro Siemens per Centimeter.
^{o}C = Degree Celsius.
DO = Dissolved Oxygen.
NTU = Nephelometric Turbidity Unit
mg/L = Milligram per Liter.
S.C. = Specific conductivity

Based on a review of geochemical field parameters the groundwater at the Site appears to be acidic with values that ranged from 3.96 to 6.18 SU. The S.C. ranged from 0.036 to 0.625 mS/cm and temperatures ranged from 25.91 to 30.19 ^{o}C. Turbidity measurements ranged from 2.67 to 75.6 NTUs and DO concentrations ranged from 0.18 to 1.63 milligrams per liter.

Groundwater samples collected from monitoring wells MW01, MW04, and MW05 were analyzed for LLPAHS and arsenic, and groundwater samples from monitoring wells MW02 and MW03 were analyzed for only arsenic.

PAHs were not detected in the groundwater samples collected from the Site. Two groundwater samples RTKP-MW02-0810 (386 micrograms per liter [µg/L]) and RTKP-MW03-0810 (403 µg/L) contained arsenic at concentrations that exceed its Florida Groundwater Cleanup Target Level primary Maximum Contaminant Level (MCL) of 10 micrograms per liter (µg/L) Chapter 62-550, F.A.C (Table 5, Figure 11).

It should be noted that the turbidity of the groundwater obtained from temporary monitoring wells RTKP-MW02 and RTKP-MW03 remained high after development and purging activities. The final turbidity measurement prior to sampling for temporary monitoring wells RTKP-MW02 and RTKP-MW03 was 17.7 and 75.6 NTU, respectively. It is likely that the turbidity of the groundwater samples biased the analytical results.

Summary and Conclusions

Based on the findings of the July 2009 supplemental assessment and the supplemental sampling activities completed in August 2010, it appears that PAH and arsenic contamination of soil along the former rail lines in the area of the City's Phase I Park Redevelopment Plan have been sufficiently characterized to develop remedial alternatives. However, additional sampling may be needed to confirm the horizontal and vertical areas of PAH and arsenic contamination along the former railroad corridor. The northeastern section of the former rail corridor was not evaluated because it is located outside the Phase I redevelopment area.

The areas sampled indicate higher concentrations are located along the center of the former railroad corridors, with concentrations decreasing with distance from the centerline of the corridors. The soil assessment results also indicate that the concentrations decrease with depth. A summary of the analytical results for the soil sampling events at the Site is provided on Figures 12 through 15.

Although arsenic was present at two temporary monitoring well locations at concentrations above Florida primary MCLs, it is possible that turbidity of the groundwater samples biased the analytical results.

Tetra Tech recommends the City implement risk based corrective actions (i.e., soil removal, engineering and/or institutional controls) to addresses soil contamination by PAHs and arsenic detected along the former rail lines at the Site before, or as a part of, the redevelopment of the site. Permanent monitoring wells should also be installed to determine if the arsenic detected in the two temporary monitoring wells is related to the elevated turbidity in the ground water samples. .

If you have any questions regarding the information presented in this document, please contact me by telephone at (850) 385-9899 or J. D. Spalding by telephone at (407) 480-3941 or via e-mail at Gerry.Walker@tetratech.com or James.Spalding@tetratech.com, respectively.

Sincerely yours,

Gerald Walker

Gerald Walker, PG
Program Manager

GAW/jds

Enclosures (6)

c: Ramona Turner, FDEP
James Spalding, Tetra Tech
Tallahassee File FDEP Contract HW 525

TABLES

Table 1

Sample Location/Sample ID and Analysis – August 2010
Rails to Trails Keens Parcel
Tampa, Florida

Sample Location (RTKP)	Media	Sample Id	Analysis
HA01	Surface Soil Samples 0-0.5 feet BLS	RTKP-HA01W-0.5-0810	LLPAH
		RTKP-HA01CA-0.5-0810	LLPAH/arsenic
		RTKP-HA01CC-0.5-0810	LLPAH/arsenic
		RTKP-HA01EA-0.5-0810	LLPAH/arsenic
		RTKP-HA01EB-0.5-0810	LLPAH/arsenic
		RTKP-HA01EC-0.5-0810	LLPAH/arsenic
HA02		RTKP-HA02C-0.5-0810	LLPAH
		RTKP-HA02EA-0.5-0810	LLPAH
		RTKP-HA02EB-0.5-0810	LLPAH
		RTKP-HA02C-0.5-0810	LLPAH
HA03		RTKP-HA03CA-0.5-0810	LLPAH/arsenic
		RTKP-HA03CC-0.5-0810	LLPAH/arsenic
		RTKP-HA03E-0.5-0810	LLPAH
HA04		RTKP-HA04CA-0.5-0810	arsenic
		RTKP-HA04CC-0.5-0810	arsenic
HA05		RTKP-HA05WA-0.5-0810	arsenic
		RTKP-HA05WC-0.5-0810	arsenic
		RTKP-HA05WD-0.5-0810	arsenic
		RTKP-HA05CA-0.5-0810	arsenic
		RTKP-HA05CC-0.5-0810	arsenic
HA06		RTKP-HA06CA-0.5-0810	arsenic
		RTKP-HA06CC-0.5-0810	arsenic
HA08		RTKP-HA08CA-0.5-0810	arsenic
		RTKP-HA08CC-0.5-0810	arsenic
HA09		RTKP-HA09W-0.5-0810	LLPAH
		RTKP-HA09EA-0.5-0810	LLPAH/arsenic
		RTKP-HA09EB-0.5-0810	LLPAH/arsenic
		RTKP-HA09EC-0.5-0810	LLPAH/arsenic
HA10		RTKP-HA10C-0.5-0810	LLPAH
		RTKP-HA10EA-0.5-0810	LLPAH/arsenic
		RTKP-HA10EB-0.5-0810	LLPAH/arsenic
		RTKP-HA10EC-0.5-0810	LLPAH/arsenic
HA11		RTKP-HA11WA-0.5-0810	arsenic
		RTKP-HA11WC-0.5-0810	arsenic
		RTKP-HA11EA-0.5-0810	arsenic
		RTKP-HA11EB-0.5-0810	arsenic
		RTKP-HA11EC-0.5-0810	arsenic
HA16		RTKP-HA16A-0.5-0810	LLPAH/arsenic
		RTKP-HA16B-0.5-0810	LLPAH/arsenic
		RTKP-HA16C-0.5-0810	LLPAH/arsenic
		RTKP-HA16D-0.5-0810	LLPAH/arsenic

Table 1
Sample Location/Sample ID and Analysis – August 2010
Rails to Trails Keens Parcel
Tampa, Florida

Sample Location (RTKP)	Media	Sample Id	Analysis
HA01	Surface Soil Samples 0.5-2 feet BLS	RTKP-HA01W-02-0810	arsenic
		RTKP-HA01CA-02-0810	arsenic
		RTKP-HA01CC-02-0810	arsenic
		RTKP-HA01EA-02-0810	arsenic
		RTKP-HA01EB-02-0810	arsenic
		RTKP-HA01EC-02-0810	arsenic
HA02		RTKP-HA02C-02-0810	arsenic
		RTKP-HA02EA-02-0810	arsenic
		RTKP-HA02EB-02-0810	arsenic
		RTKP-HA02C-02-0810	arsenic
HA03		RTKP-HA03CA-02-0810	arsenic
		RTKP-HA03CC-02-0810	arsenic
		RTKP-HA03E-02-0810	arsenic
HA04		RTKP-HA04CA-02-0810	arsenic
		RTKP-HA04CC-02-0810	arsenic
HA05		RTKP-HA05WA-02-0810	arsenic
		RTKP-HA05WC-02-0810	arsenic
		RTKP-HA05WD-02-0810	arsenic
		RTKP-HA05CA-02-0810	arsenic
		RTKP-HA05CC-02-0810	arsenic
HA06		RTKP-HA06CA-02-0810	arsenic
		RTKP-HA06CC-02-0810	arsenic
HA08		RTKP-HA08CA-02-0810	arsenic
		RTKP-HA08CC-02-0810	arsenic
HA09		RTKP-HA09W-02-0810	LLPAH
		RTKP-HA09EA-02-0810	LLPAH/arsenic
		RTKP-HA09EB-02-0810	LLPAH/arsenic
		RTKP-HA09EC-02-0810	LLPAH/arsenic
HA10		RTKP-HA10C-02-0810	LLPAH
		RTKP-HA10EA-02-0810	LLPAH/arsenic
		RTKP-HA10EB-02-0810	LLPAH/arsenic
		RTKP-HA10EC-02-0810	LLPAH/arsenic
HA11		RTKP-HA11WA-02-0810	arsenic
		RTKP-HA11WC-02-0810	arsenic
		RTKP-HA11EA-02-0810	arsenic
		RTKP-HA11EB-02-0810	arsenic
		RTKP-HA11EC-02-0810	arsenic
HA16		RTKP-HA16A-02-0810	arsenic
		RTKP-HA16B-02-0810	arsenic
		RTKP-HA16C-02-0810	arsenic
		RTKP-HA16D-02-0810	arsenic

Table 2
Groundwater Sample Location/Sample ID and Analysis – August 2010
Rails to Trails Keens Parcel
Tampa, Florida

Sample Location (RTKP)	Media	Sample Id	Analysis
MW01	GROUNDWATER	RTKP-MW01-0810	LLPAH/arsenic
MW02		RTKP-MW02-0810	arsenic
MW03		RTKP-MW03-0810	arsenic
MW04		RTKP-MW04-0810	LLPAH/arsenic
MW05		RTKP-MW05-0810	LLPAH/arsenic

TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				RTKP-FD01-0810		RTKP-HA01CA-0.5-0810		RTKP-HA01CC-0.5-0810		RTKP-HA01EA-0.5-0810		RTKP-HA01EB-0.5-0810		RTKP-HA01EC-0.5-0810		RTKP-HA01W-0.5-0810	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.					HA01CA		HA01CC		HA01EA		HA01EB		HA01EC		HA01W	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/25/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010		8/23/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	75	U	566		239	I	86	U	83	U	84	U	78	U
Anthracene	21000000	300000000	25000000	37	U	729		189	I	43	U	42	U	113	I	39	U
Benzo(a)anthracene	*	*	800	15	U	983		217		17	U	48.6		102		16	U
Benzo(a)pyrene	100	700	8000	15	U	**774**		291		17	U	56.4		82.8		20.1	I
Benzo(b)fluoranthene	*	*	2400	15	U	2850		573		17	U	81.6		228		31.9	
Benzo(g,h,i)perylene	2500000	52000000	32000000	15	U	680		389		17	U	41.1		51.8		16	U
Benzo(k)fluoranthene	*	*	24000	15	U	962		193		17	U	25.4	I	70.7		16	U
Chrysene	*	*	77000	15	U	1590		306		17	U	60.1		135		23.6	I
Dibenzo(a,h)anthracene	*	*	700	15	U	225		67.7		17	U	17	U	17.8	I	16	U
Fluoranthene	3200000	59000000	1200000	37	U	1260		257	I	43	U	86.8	I	131	I	39	U
Fluorene	2600000	33000	160000	75	U	89	U	86	U	86	U	83	U	84	U	78	U
Indeno(1,2,3-cd)pyrene	*	*	6600	15	U	944		340		17	U	41.1		61.0		16.4	I
1-Methylnaphthalene	200000	1800000	3100	37	U	44	U	43	U	43	U	42	U	42	U	39	U
2-Methylnaphthalene	210000	2100000	8500	37	U	44	U	43	U	43	U	42	U	42	U	39	U
Naphthalene	55000	300000	1200	37	U	44	U	43	U	43	U	42	U	42	U	39	U
Phenanthrene	2200000	36000000	250000	37	U	74.8	I	43	U	43	U	42	U	42	U	39	U
Pyrene	2400000	45000000	880000	37	U	1930		286	I	43	U	92.6	I	162	I	39	U
BAP TEQ	100	700	8000	NC		**1487.91**		473.94		NC		82.34		140.54		33.83	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	**6.7**		**25.7**		11.2		4.2		0.24	I	1.5		NA	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Practical Quantitation Limit
V = annotates method blank showed compound above method detection limit.

TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				**RTKP-HA02C-0.5-0810**		**RTKP-HA02EA-0.5-0810**		**RTKP-HA02EB-0.5-0810**		**RTKP-HA02EC-0.5-0810**		**RTKP-HA03CA-0.5-0810**		**RTKP-HA03CC-0.5-0810**		**RTKP-HA03E-0.5-0810**	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA02C		HA02EA		HA02EB		HA02EC		HA03CA		HA03CC		HA03E	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	91	U	78	U	74	U	76	U	76	U	92	U	77	U
Anthracene	21000000	300000000	25000000	45	U	39	U	37	U	38	U	38	U	46	U	38	U
Benzo(a)anthracene	*	*	800	28.5	I	26.3	I	67.3		43.5		109		42.0		79.6	
Benzo(a)pyrene	100	700	8000	37.0		28.9	I	71.2		61.3		132		50.2		93.9	
Benzo(b)fluoranthene	*	*	2400	54.7		44.0		95.9		88.8		173		71.7		127	
Benzo(g,h,i)perylene	2500000	52000000	32000000	32.0	I	22.5	I	51.3		50.0		94.6		37.0		78.5	
Benzo(k)fluoranthene	*	*	24000	18	U	16	U	27.7	I	24.3	I	54.1		21.4	I	39.3	
Chrysene	*	*	77000	39.0		30.8	I	74.2		55.6		125		55.2		97.3	
Dibenzo(a,h)anthracene	*	*	700	18	U	16	U	15	U	15	U	19.2	I	18	U	15.8	I
Fluoranthene	3200000	59000000	1200000	45.8	I	62.7	I	146	I	78.1	I	169	I	74.7	I	128	I
Fluorene	2600000	33000	160000	91	U	78	U	74	U	76	U	76	U	92	U	77	U
Indeno(1,2,3-cd)pyrene	*	*	6600	30.6	I	22.6	I	50.7		50.3		92.2		36.2	I	72.8	
1-Methylnaphthalene	200000	1800000	3100	45	U	39	U	37	U	38	U	38	U	46	U	38	U
2-Methylnaphthalene	210000	2100000	8500	45	U	39	U	37	U	38	U	38	U	46	U	38	U
Naphthalene	55000	300000	1200	45	U	39	U	37	U	38	U	38	U	46	U	38	U
Phenanthrene	2200000	36000000	250000	45	U	39	U	58.4	I	38	U	47.5	I	46	U	53.9	I
Pyrene	2400000	45000000	880000	52.1	I	48.6	I	122	I	75.9	I	176	I	75.7	I	143	I
BAP TEQ	100	700	8000	57.51		46.30		100.44		87.36		189.29		74.46		138.13	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	NA		NA		NA		NA		0.20	I	0.12	U	NA	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Practical Quantitation Limit
V = annotates method blank showed compound above method detection limit.

TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				RTKP-HA04CA-0.5-0810		RTKP-HA04CC-0.5-0810		RTKP-HA05CA-0.5-0810		RTKP-HA05CC-0.5-0810		RTKP-HA05WA-0.5-0810		RTKP-HA05WC-0.5-0810		RTKP-HA05WD-0.5-0810	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA04CA		HA04CC		HA05CA		HA05CC		HA05WA		HA05WC		HA05WD	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	NA		NA		NA		NA		NA		NA		NA	
Anthracene	21000000	300000000	25000000	NA		NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*	*	800	NA		NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	100	700	8000	NA		NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*	*	2400	NA		NA		NA		NA		NA		NA		NA	
Benzo(g,h,i)perylene	2500000	52000000	32000000	NA		NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*	*	24000	NA		NA		NA		NA		NA		NA		NA	
Chrysene	*	*	77000	NA		NA		NA		NA		NA		NA		NA	
Dibenzo(a,h)anthracene	*	*	700	NA		NA		NA		NA		NA		NA		NA	
Fluoranthene	3200000	59000000	1200000	NA		NA		NA		NA		NA		NA		NA	
Fluorene	2600000	33000	160000	NA		NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*	*	6600	NA		NA		NA		NA		NA		NA		NA	
1-Methylnaphthalene	200000	1800000	3100	NA		NA		NA		NA		NA		NA		NA	
2-Methylnaphthalene	210000	2100000	8500	NA		NA		NA		NA		NA		NA		NA	
Naphthalene	55000	300000	1200	NA		NA		NA		NA		NA		NA		NA	
Phenanthrene	2200000	36000000	250000	NA		NA		NA		NA		NA		NA		NA	
Pyrene	2400000	45000000	880000	NA		NA		NA		NA		NA		NA		NA	
BAP TEQ	100	700	8000	NA		NA		NA		NA		NA		NA		NA	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	0.15	I	1.6		0.93		5.0		5.6		0.12	U	0.57	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
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TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				RTKP-HA06CA-0.5-0810		RTKP-HA06CC-0.5-0810		RTKP-HA08CA-0.5-0810		RTKP-HA08CC-0.5-0810		RTKP-HA09EA-0.5-0810		RTKP-HA09EB-0.5-0810		RTKP-HA09EC-0.5-0810	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA06CA		HA06CC		HA08CA		HA08CC		HA09EA		HA09EB		HA09EC	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/24/2010		8/24/2010		8/24/2010		8/24/2010		8/25/2010		8/25/2010		8/25/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	NA		NA		76	U	73	U	84	U	88	U	80	U
Anthracene	21000000	300000000	25000000	NA		NA		38	U	37	U	52.6	I	44	U	40	U
Benzo(a)anthracene	*	*	800	NA		NA		15	U	15	U	130		64.1		19.5	I
Benzo(a)pyrene	100	700	8000	NA		NA		15	U	15	U	132		58.4		30.7	I
Benzo(b)fluoranthene	*	*	2400	NA		NA		15	U	15.1	I	140		67.3		55.6	
Benzo(g,h,i)perylene	2500000	52000000	32000000	NA		NA		15	U	15	U	73.6		34.1	I	21.3	I
Benzo(k)fluoranthene	*	*	24000	NA		NA		15	U	15	U	46.7		20.7	I	17.4	I
Chrysene	*	*	77000	NA		NA		15	U	15	U	152		72.9		26.1	I
Dibenzo(a,h)anthracene	*	*	700	NA		NA		15	U	15	U	18.7	I	18	U	16	U
Fluoranthene	3200000	59000000	1200000	NA		NA		38	U	37	U	139	I	90.9	I	40	U
Fluorene	2600000	33000	160000	NA		NA		76	U	73	U	84	U	88	U	80	U
Indeno(1,2,3-cd)pyrene	*	*	6600	NA		NA		15	U	15	U	69.7		31.5	I	23.4	I
1-Methylnaphthalene	200000	1800000	3100	NA		NA		38	U	37	U	42	U	44	U	40	U
2-Methylnaphthalene	210000	2100000	8500	NA		NA		38	U	37	U	42	U	44	U	40	U
Naphthalene	55000	300000	1200	NA		NA		38	U	37	U	42	U	44	U	40	U
Phenanthrene	2200000	36000000	250000	NA		NA		38	U	37	U	92.6	I	61.1	I	40	U
Pyrene	2400000	45000000	880000	NA		NA		38	U	37	U	225	I	121	I	40	U
BAP TEQ	100	700	8000	NA		NA		NC		18.09		185.29		83.97		48.75	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	1.4		**56.8**		0.32	I	0.32	I	**12.0**		0.36	I	42.0	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Practical Quantitation Limit
V = annotates method blank showed compound above method detection limit.

TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				**RTKP-HA09W-0.5-0810**		**RTKP-HA10C-0.5-0810**		**RTKP-HA10EA-0.5-0810**		**RTKP-HA10EB-0.5-0810**		**RTKP-HA10EC-0.5-0810**		**RTKP-HA11EA-0.5-0810**		**RTKP-HA11EB-0.5-0810**	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA09W		HA10C		HA10EA		HA10EB		HA10EC		HA11EA		HA11EB	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	100	I	78	U	149	I	407		109	I	NA		NA	
Anthracene	21000000	300000000	25000000	79.3	I	39	U	72.9	I	560		74.9	I	NA		NA	
Benzo(a)anthracene	*	*	800	163		63.7		128		1510		158		NA		NA	
Benzo(a)pyrene	100	700	8000	163		132		141		**1160**		157		NA		NA	
Benzo(b)fluoranthene	*	*	2400	178		245		145		1150		162		NA		NA	
Benzo(g,h,i)perylene	2500000	52000000	32000000	108		122		97.5		619		114		NA		NA	
Benzo(k)fluoranthene	*	*	24000	51.1		83.7		39.6		420		46.7		NA		NA	
Chrysene	*	*	77000	193		105		144		1670		182		NA		NA	
Dibenzo(a,h)anthracene	*	*	700	25.8	I	22.3	I	20.4	I	174		23.8	I	NA		NA	
Fluoranthene	3200000	59000000	1200000	183	I	72.0	I	138	I	1790		169	I	NA		NA	
Fluorene	2600000	33000	160000	80	U	78	U	88	U	123	I	76	U	NA		NA	
Indeno(1,2,3-cd)pyrene	*	*	6600	95.0		118		86.7		609		98.4		NA		NA	
1-Methylnaphthalene	200000	1800000	3100	40	U	39	U	44	U	41.9	I	38	U	NA		NA	
2-Methylnaphthalene	210000	2100000	8500	40	U	39	U	44	U	59.8	I	38	U	NA		NA	
Naphthalene	55000	300000	1200	40	U	39	U	44	U	77.0	I	38	U	NA		NA	
Phenanthrene	2200000	36000000	250000	137	I	39	U	99.2	I	1320		91.8	I	NA		NA	
Pyrene	2400000	45000000	880000	285	I	88.1	I	218	I	2980		282	I	NA		NA	
BAP TEQ	100	700	8000	233.10		197.91		197.91		**1666.77**		223.29		NA		NA	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	NA		6.8		0.66		1.3		0.80		0.35	I	0.091	U

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
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TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				RTKP-HA11EC-0.5-0810		RTKP-HA11WA-0.5-0810		RTKP-HA11WC-0.5-0810		RTKP-HA16A-0.5-0810		RTKP-HA16B-0.5-0810		RTKP-HA16C-0.5-0810		RTKP-HA16D-0.5-0810	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA11EC		HA11WA		HA11WC		HA16A		HA16B		HA16C		HA16D	
SAMPLE DEPTH				0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
SAMPLE DATE				8/25/2010		8/25/2010		8/25/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Semi-volatiles ug/kg																	
Acenaphthylene	1800000	20000000	27000	NA		NA		NA		75	U	84	U	86	U	76	U
Anthracene	21000000	300000000	25000000	NA		NA		NA		38	U	42	U	43	U	38	U
Benzo(a)anthracene	*	*	800	NA		NA		NA		15	U	17	U	17	U	15	U
Benzo(a)pyrene	100	700	8000	NA		NA		NA		15	U	17	U	17	U	15	U
Benzo(b)fluoranthene	*	*	2400	NA		NA		NA		15	U	17	U	17	U	15	U
Benzo(g,h,i)perylene	2500000	52000000	32000000	NA		NA		NA		15	U	17	U	17	U	15	U
Benzo(k)fluoranthene	*	*	24000	NA		NA		NA		15	U	17	U	17	U	15	U
Chrysene	*	*	77000	NA		NA		NA		15	U	17	U	17	U	15	U
Dibenzo(a,h)anthracene	*	*	700	NA		NA		NA		15	U	17	U	17	U	15	U
Fluoranthene	3200000	59000000	1200000	NA		NA		NA		38	U	42	U	43	U	38	U
Fluorene	2600000	33000	160000	NA		NA		NA		75	U	84	U	86	U	76	U
Indeno(1,2,3-cd)pyrene	*	*	6600	NA		NA		NA		15	U	17	U	17	U	15	U
1-Methylnaphthalene	200000	1800000	3100	NA		NA		NA		38	U	42	U	43	U	38	U
2-Methylnaphthalene	210000	2100000	8500	NA		NA		NA		38	U	42	U	43	U	38	U
Naphthalene	55000	300000	1200	NA		NA		NA		38	U	42	U	43	U	38	U
Phenanthrene	2200000	36000000	250000	NA		NA		NA		38	U	42	U	43	U	38	U
Pyrene	2400000	45000000	880000	NA		NA		NA		38	U	42	U	43	U	38	U
BAP TEQ	100	700	8000	NA		NA		NA		NC		NC		NC		NC	
Metals Analysis (mg/kg)																	
Arsenic	2.1	12	***	1.5		6.6		0.51	I	0.37	I	0.11	U	0.16	I	0.20	I

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Practical Quantitation Limit
V = annotates method blank showed compound above method detection limit.

TABLE 3
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID				**RTKP-HA18-0.5-0810**		**RTKP-HA19-0.5-0810**	
Sample Location	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			HA18		HA19	
SAMPLE DEPTH				0-0.5		0-0.5	
SAMPLE DATE				8/25/2010		8/25/2010	
MATRIX	Residential	Industrial	Leachability	Soil		Soil	
Semi-volatiles ug/kg							
Acenaphthylene	1800000	20000000	27000	72	U	77	U
Anthracene	21000000	300000000	25000000	36	U	39	U
Benzo(a)anthracene	*	*	800	14	U	15	U
Benzo(a)pyrene	100	700	8000	14	U	15	U
Benzo(b)fluoranthene	*	*	2400	14	U	15	U
Benzo(g,h,i)perylene	2500000	52000000	32000000	14	U	15	U
Benzo(k)fluoranthene	*	*	24000	14	U	15	U
Chrysene	*	*	77000	14	U	15	U
Dibenzo(a,h)anthracene	*	*	700	14	U	15	U
Fluoranthene	3200000	59000000	1200000	36	U	39	U
Fluorene	2600000	33000	160000	72	U	77	U
Indeno(1,2,3-cd)pyrene	*	*	6600	14	U	15	U
1-Methylnaphthalene	200000	1800000	3100	36	U	39	U
2-Methylnaphthalene	210000	2100000	8500	36	U	39	U
Naphthalene	55000	300000	1200	36	U	39	U
Phenanthrene	2200000	36000000	250000	36	U	39	U
Pyrene	2400000	45000000	880000	36	U	39	U
BAP TEQ	100	700	8000	NC		NC	U
Metals Analysis (mg/kg)							
Arsenic	2.1	12	***	0.21	I	9.6	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Practical Quantitation Limit
V = annotates method blank showed compound above method detection limit.

TABLE 4
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2.0 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			RTKP-HA01CA-2.0-0810		RTKP-HA01EA-2.0-0810		RTKP-HA01EC-2.0-0810		RTKP-HA02EB-2.0-0810		RTKP-HA03CA-2.0-0810		RTKP-HA03E-2.0-0810		RTKP-HA05CC-2.0-0810	
SAMPLE LOCATION				HA01CA		HA01EA		HA01EC		HA02EB		HA03CA		HA03E		HA05CC	
SAMPLE DEPTH				0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0	
SAMPLE DATE	Residential	Industrial	Leachability	8/23/2010		8/23/2010		8/23/2010		8/24/2010		8/24/2010		8/24/2010		8/24/2010	
GC/MS Semi-volatiles (ppb)																	
Acenaphthylene	1800000	20000000	27000	91	U	NA		84	U	75	U	112	I	75	U	NA	
Anthracene	21000000	300000000	25000000	101	I	NA		42	U	38	U	96.2	I	37	U	NA	
Benzo(a)anthracene	*	*	800	189		NA		17	U	37.7		637		15	U	NA	
Benzo(a)pyrene	100	700	8000	164		NA		17	U	42.5		533		15	U	NA	
Benzo(b)fluoranthene	*	*	2400	643		NA		17	U	54.0		581		15	U	NA	
Benzo(g,h,i)perylene	2500000	52000000	32000000	145		NA		17	U	81.1		310		15	U	NA	
Benzo(k)fluoranthene	*	*	24000	231		NA		17	U	18.8	I	195		15	U	NA	
Chrysene	*	*	77000	144		NA		17	U	47.8		763		15	U	NA	
Dibenzo(a,h)anthracene	*	*	700	43.2		NA		17	U	15	U	82.1		15	U	NA	
Fluoranthene	3200000	59000000	1200000	282	I	NA		42	U	57.1	I	548		37	U	NA	
Indeno(1,2,3-cd)pyrene	*	*	6600	195		NA		17	U	54.0		300		15	U	NA	
Phenanthrene	2200000	36000000	250000	46	U	NA		42	U	38	U	201	I	37	U	NA	
Pyrene	2400000	45000000	880000	441		NA		42	U	81.8	I	1120		37	U	NA	
BAP TEQ	100	700	8000	333.14		NC		NC		66.50		**787.16**		NC		NC	
Metals Analysis (ppm)																	
Arsenic	2.1	12	***	2.0		0.99		NA		NA		NA		NA		2.0	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Detection Limit and the Practical Quantitation Limit

TABLE 4
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2.0 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			RTKP-HA06CC-2.0-0810		RTKP-HA09EA-2.0-0810		RTKP-HA09EC-2.0-0810		RTKP-HA09W-2.0-0810		RTKP-HA10C-2.0-0810		RTKP-HA10EA-2.0-0810		RTKP-HA10EB-2.0-0810	
SAMPLE LOCATION				HA06CC		HA09EA		HA09EC		HA09W		HA10C		HA10EA		HA10EB	
SAMPLE DEPTH				0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0		0.5-2.0	
SAMPLE DATE	Residential	Industrial	Leachability	8/24/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010		8/25/2010	
GC/MS Semi-volatiles (ppb)																	
Acenaphthylene	1800000	20000000	27000	NA		81.1	I	NA		73	U	346		83	U	91	U
Anthracene	21000000	300000000	25000000	NA		53.1	I	NA		37	U	209	I	41	U	46	U
Benzo(a)anthracene	*	*	800	NA		333		NA		100		851		109		33.3	I
Benzo(a)pyrene	100	700	8000	NA		382		NA		102		**1720**		134		38.4	
Benzo(b)fluoranthene	*	*	2400	NA		456		NA		122		2910		176		41.3	
Benzo(g,h,i)perylene	2500000	52000000	32000000	NA		232		NA		60.5		1080		70.3		21.9	I
Benzo(k)fluoranthene	*	*	24000	NA		128		NA		34.0		914		52.3		18	U
Chrysene	*	*	77000	NA		390		NA		122		1240		128		38.9	
Dibenzo(a,h)anthracene	*	*	700	NA		56.4		NA		15	U	263		17	U	18	U
Fluoranthene	3200000	59000000	1200000	NA		296	I	NA		109	I	653		126	I	46	U
Indeno(1,2,3-cd)pyrene	*	*	6600	NA		229		NA		57.6		1240		74.3		19.9	I
Phenanthrene	2200000	36000000	250000	NA		113	I	NA		65.5	I	69.1	I	59.8	I	46	U
Pyrene	2400000	45000000	880000	NA		549		NA		191	I	893		187	I	58.1	I
BAP TEQ	100	700	8000	NC		553.39		NC		140.98		**2575.74**		183.79		57.79	
Metals Analysis (ppm)																	
Arsenic	2.1	12	***	**21.5**		**14.1**		**62.6**		NA		NA		NA		NA	

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Detection Limit and the Practical Quantitation Limit

TABLE 4
SUMMARY OF AUGUST 2010 SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2.0 FEET
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			RTKP-HA10EC-2.0-0810		RTKP-HA11WA-2.0-0810		RTKP-HA19-2.0-0810
SAMPLE LOCATION				HA10EC		HA11WA		HA19
SAMPLE DEPTH				0.5-2.0		0.5-2.0		0.5-2.0
SAMPLE DATE	Residential	Industrial	Leachability	8/25/2010		8/25/2010		8/25/2010
GC/MS Semi-volatiles (ppb)								
Acenaphthylene	1800000	20000000	27000	77	U	NA		NA
Anthracene	21000000	300000000	25000000	38	U	NA		NA
Benzo(a)anthracene	*	*	800	83.9		NA		NA
Benzo(a)pyrene	100	700	8000	97.2		NA		NA
Benzo(b)fluoranthene	*	*	2400	107		NA		NA
Benzo(g,h,i)perylene	2500000	52000000	32000000	53.6		NA		NA
Benzo(k)fluoranthene	*	*	24000	31.3		NA		NA
Chrysene	*	*	77000	97.5		NA		NA
Dibenzo(a,h)anthracene	*	*	700	15	U	NA		NA
Fluoranthene	3200000	59000000	1200000	88.4	I	NA		NA
Indeno(1,2,3-cd)pyrene	*	*	6600	52.6		NA		NA
Phenanthrene	2200000	36000000	250000	49.1	I	NA		NA
Pyrene	2400000	45000000	880000	158	I	NA		NA
BAP TEQ	100	700	8000	132.28		NC		NC
Metals Analysis (ppm)								
Arsenic	2.1	12	***	NA		1.2		5.8

SCTL = Soil Cleanup Target Level
Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability to Groundwater SCTL
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
BAP = Benzo(a)pyrene
NA = not applicable
NC = not calculated
TEQ = Toxicity Equivalent Quotient
U = Below laboratory method detection limit
I = Estimated value concentration is between the Method Detection Limit and the Practical Quantitation Limit

TABLE 5
SUMMARY OF AUGUST 2010 GROUNDWATER ANALYTICAL RESULTS
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

SAMPLE ID	Florida MCL	RTKP-MW01-0810		RTKP-MW02-0810		RTKP-MW03-0810		RTKP-MW04-0810	
SAMPLE LOCATION		MW01		MW02		MW03		MW04	
SAMPLE DEPTH		-		-		-		-	
SAMPLE DATE		8/26/2010		8/26/2010		8/26/2010		8/26/2010	
Metals Analysis (µg/)									
Arsenic	10	2.4	I	**385**		**403**		2.0	U

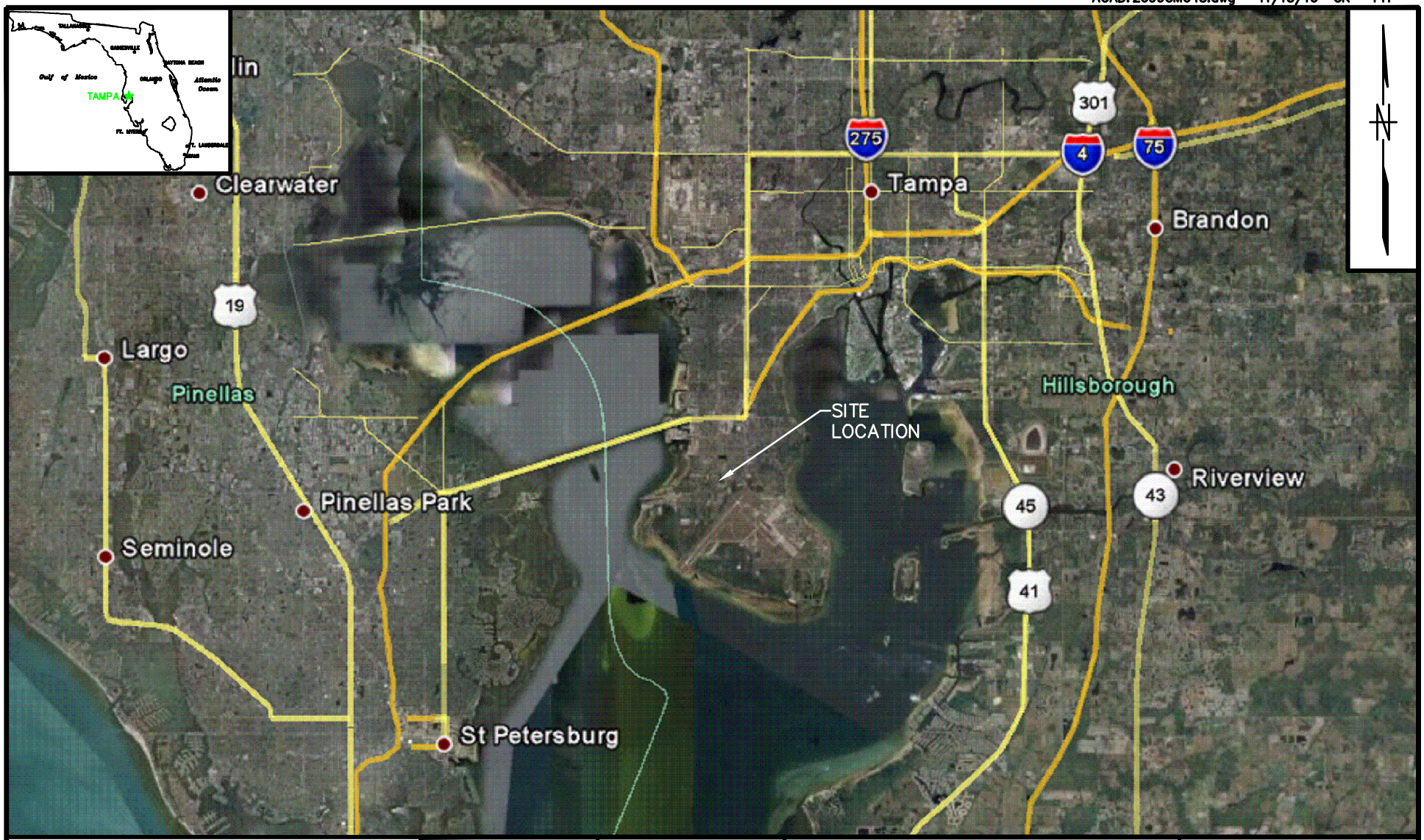
SAMPLE ID	Florida MCL	RTKP-MW04-0810D		RTKP-MW05-0810		RB-8-23-10		RB-8-24-10	
SAMPLE LOCATION		MW04 duplicate		MW05		Rinsate Blank		Rinsate Blank	
SAMPLE DEPTH		-		-		-		-	
SAMPLE DATE		8/26/2010		8/26/2010		8/23/2010		8/24/2010	
Metals Analysis (µg/)									
Arsenic	10	2.0	U	2.0	U	2.0	U	2.0	U

SAMPLE ID	Florida MCL	RB-8-25-10							
SAMPLE LOCATION		rinsate blank							
SAMPLE DEPTH		-							
SAMPLE DATE		8/25/2010							
Metals Analysis (µg/)									
Arsenic	10	2.0	U						

Notes:
µg/l = micrograms per liter
Florida MCL = Florida Maximum Contaminant Level per Chapter 62-550, Florida Administrative Code
Bold values exceed the MCL
U = Below laboratory method detection limit
I = Estimated value, concentration is between the method detection limit and the practical quantitation limit

FIGURES

ACAD: 2099CM045.dwg 11/15/10 CK PIT



0 20000 40000
GRAPHIC SCALE IN FEET

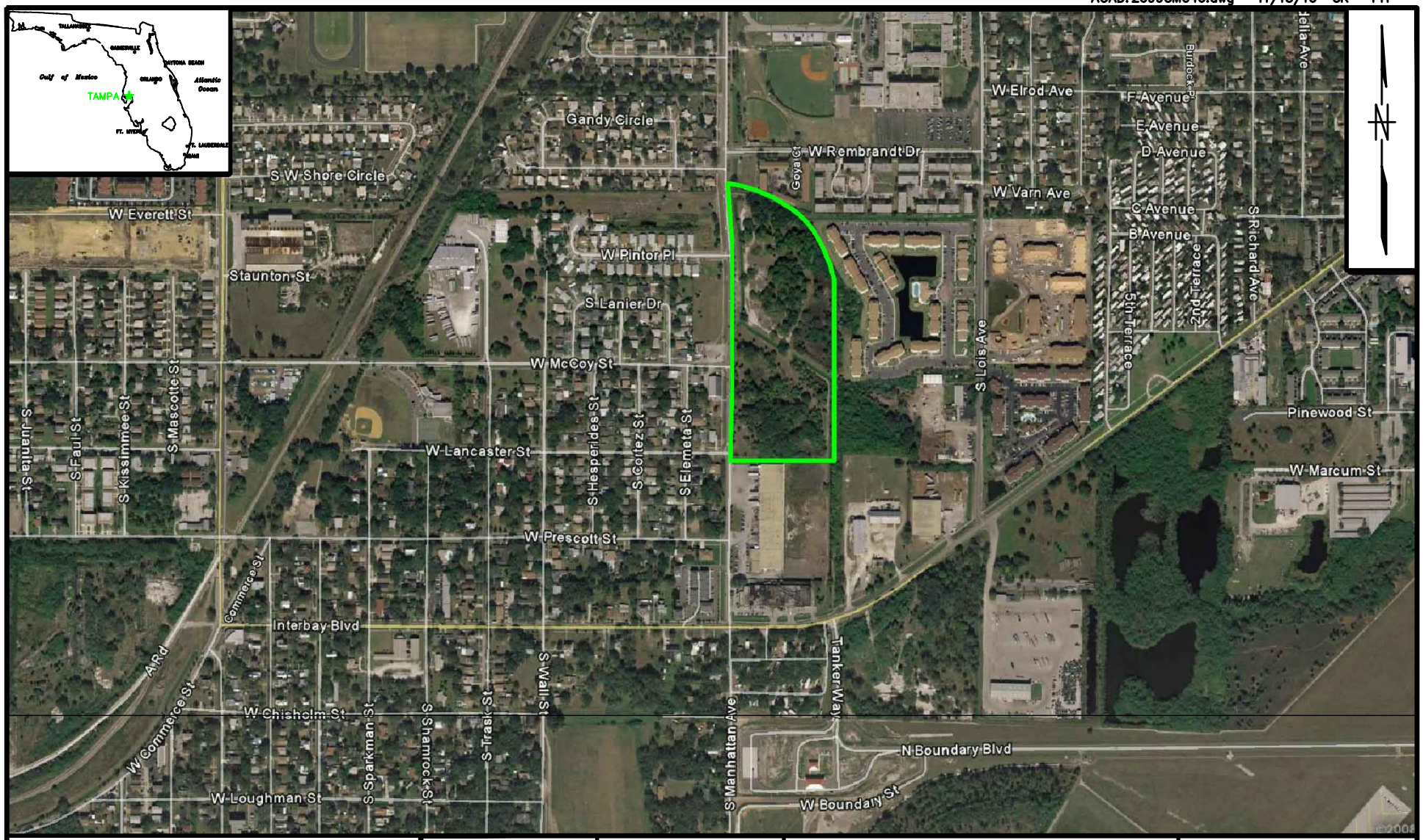
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 11/15/10
REVISED BY CK	DATE 11/15/10
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

SITE LOCATION MAP
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2410	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 11/15/10
DRAWING NO. FIGURE 1	REV. 0

ACAD: 2099CM046.dwg 11/15/10 CK PIT



LEGEND:

APPROXIMATE PROPERTY BOUNDARY

0 300 600

GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 11/15/10
REVISED BY CK	DATE 11/15/10
SCALE AS NOTED	

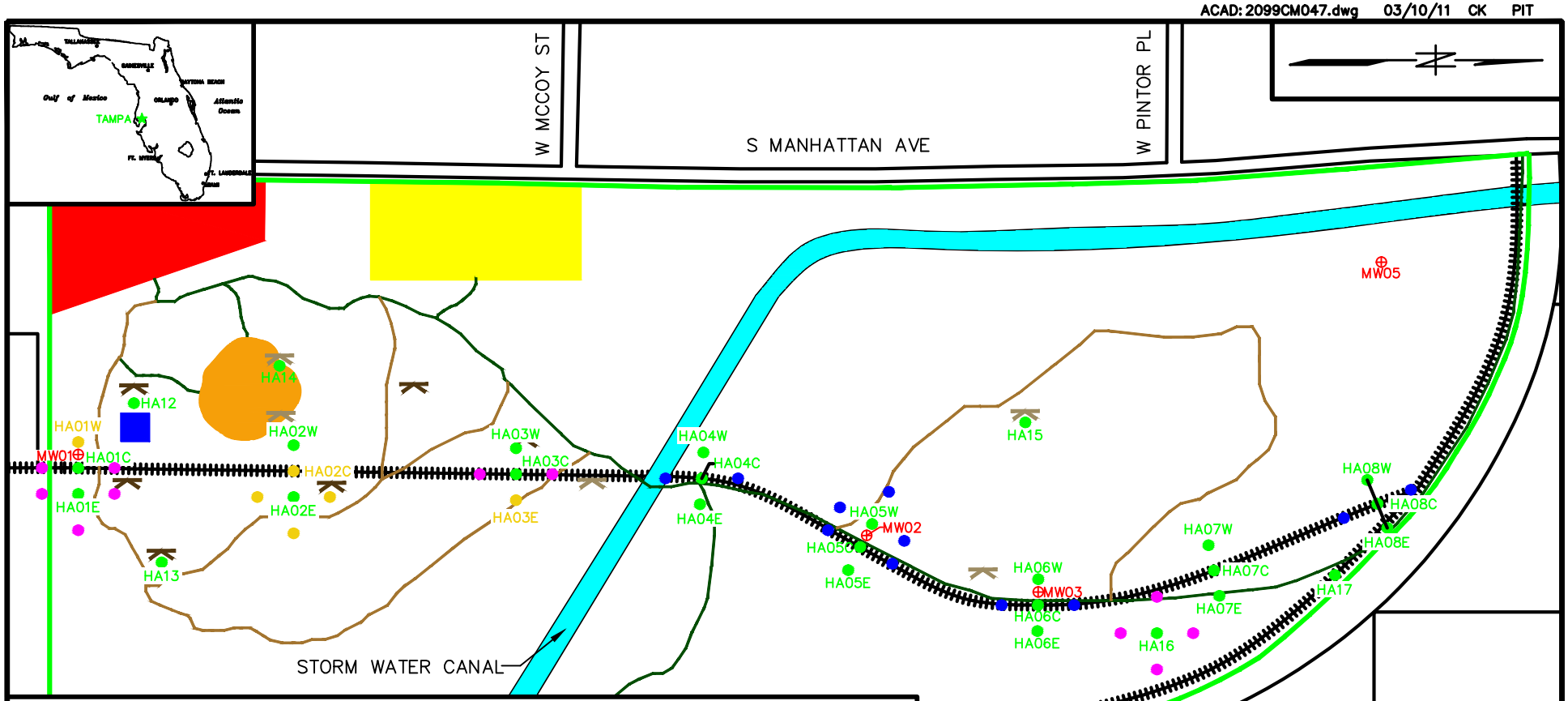
DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

SITE VICINITY MAP
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2140	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 11/15/10
DRAWING NO. FIGURE 2	REV. 0

FORM CADD NO. TTNUS-AH.DWG - REV 1 -9/10/98

ACAD: 2099CM047.dwg 03/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAHS
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- MONITORING WELL LOCATION
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

0 150 300
GRAPHIC SCALE IN FEET

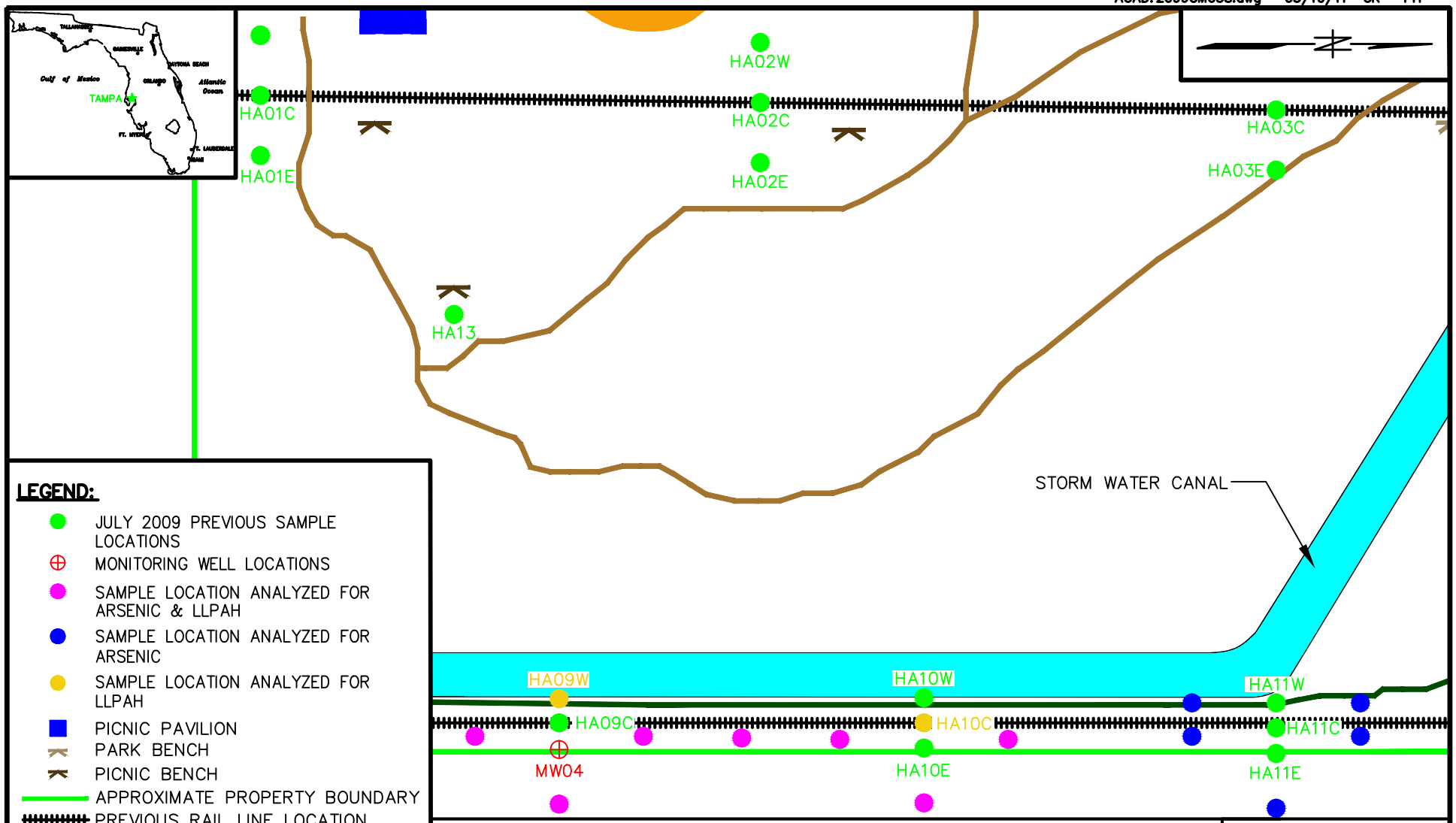
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

SOIL SAMPLE LOCATION MAP 0-0.5 FT INTERVAL
CENTER RAIL LINE
ENVIRONMENTAL SITE ASSESSMENT
LETTER WORK PLAN
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 3	REV. 0

ACAD: 2099CM038.dwg 03/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

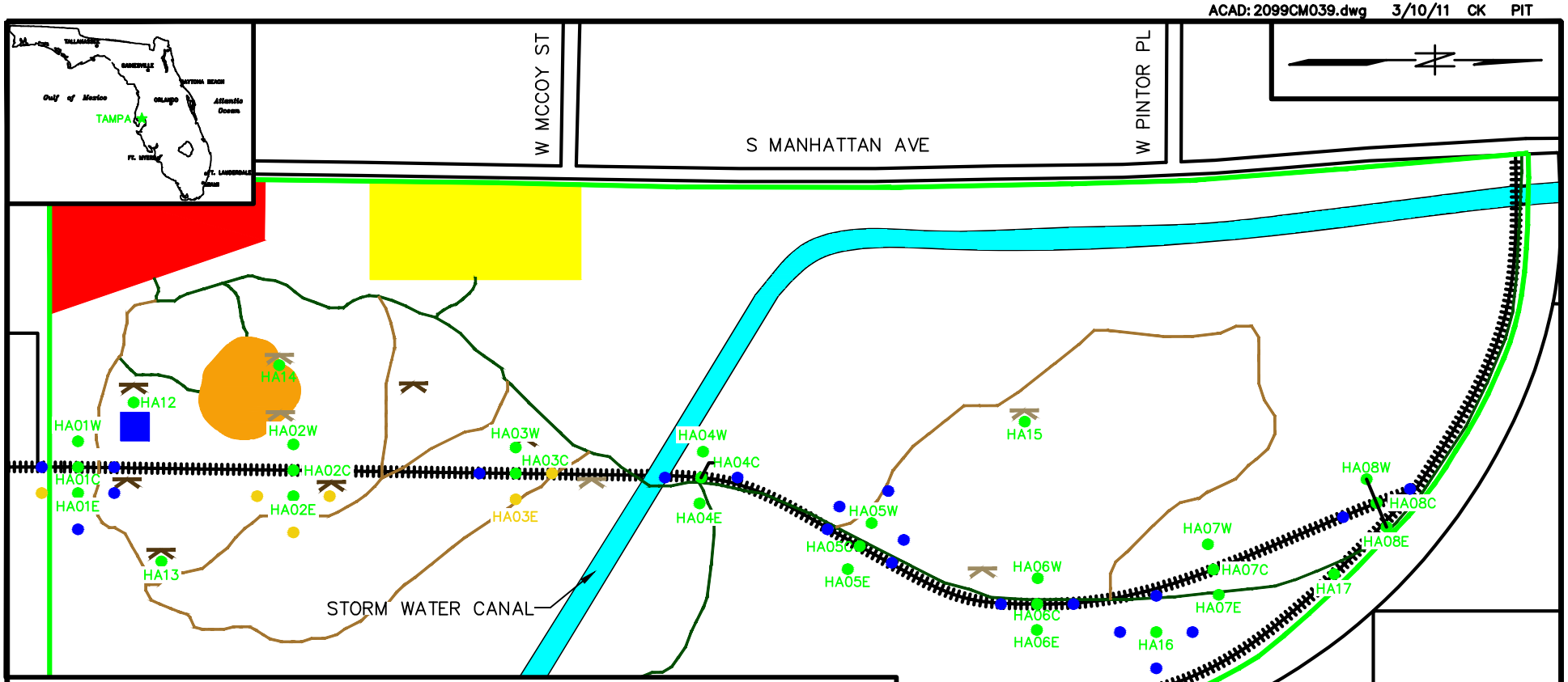
0 60 120
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 9/23/09	SOIL SAMPLE LOCATION MAP 0-0.5 FT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 3/10/11		OWNER NO. FDEP
REVISED BY CK	DATE 3/10/11		APPROVED BY J.D. SPALDING / DATE 3/10/11
SCALE AS NOTED			DRAWING NO. FIGURE 4 / REV. 0

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

FORM CADD NO. TTNUS-AH.DWG – REV 1 –9/10/98

ACAD: 2099CM039.dwg 3/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAHS
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

0 150 300
GRAPHIC SCALE IN FEET

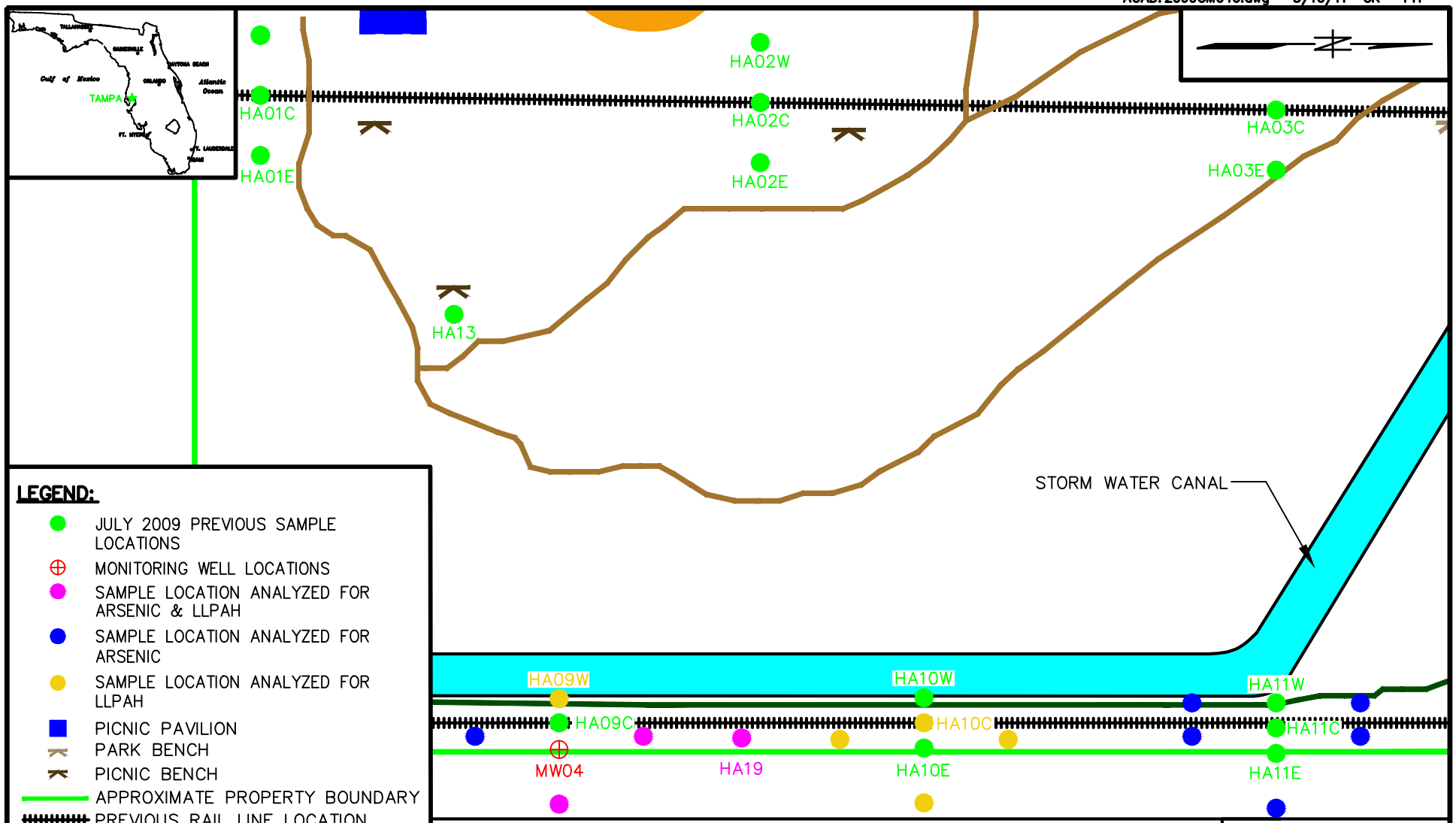
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

SOIL SAMPLE LOCATION MAP 0.5–2 FT INTERVAL
CENTER RAIL LINE
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 5	REV. 0

ACAD: 2099CM040.dwg 3/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

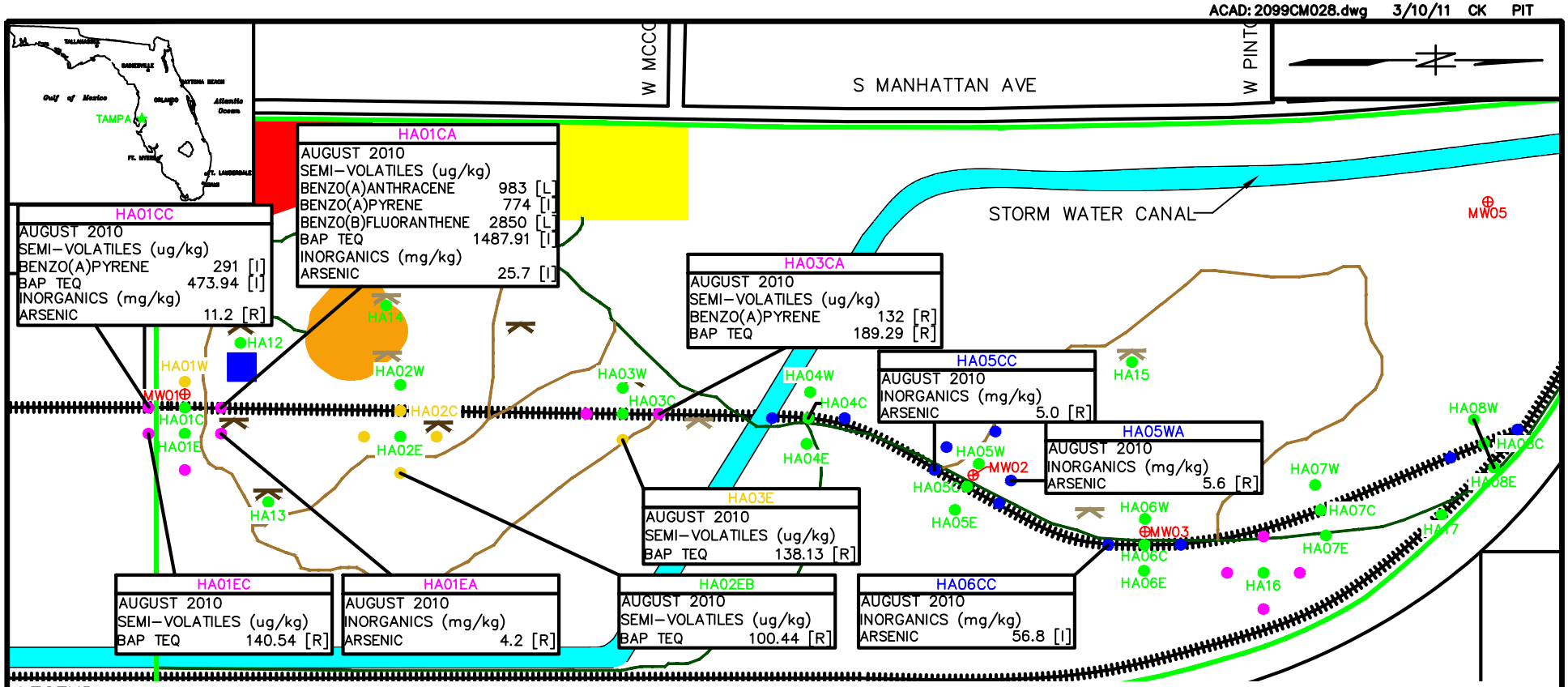
0 60 120
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 9/23/09	SOIL SAMPLE LOCATION MAP 0.5-2 FT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 3/10/11		OWNER NO. FDEP
REVISED BY CK	DATE 3/10/11		APPROVED BY J.D. SPALDING — DATE 3/10/11
SCALE AS NOTED			DRAWING NO. FIGURE 6 — REV. 0

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

FORM CADD NO. TTNUS-AH.DWG – REV 1 –9/10/98

ACAD: 2099CM028.dwg 3/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAHS
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- MONITORING WELL LOCATION
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL

0 150 300
GRAPHIC SCALE IN FEET

- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BENZO(B)FLUORANTHENE	N/A	N/A	24000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

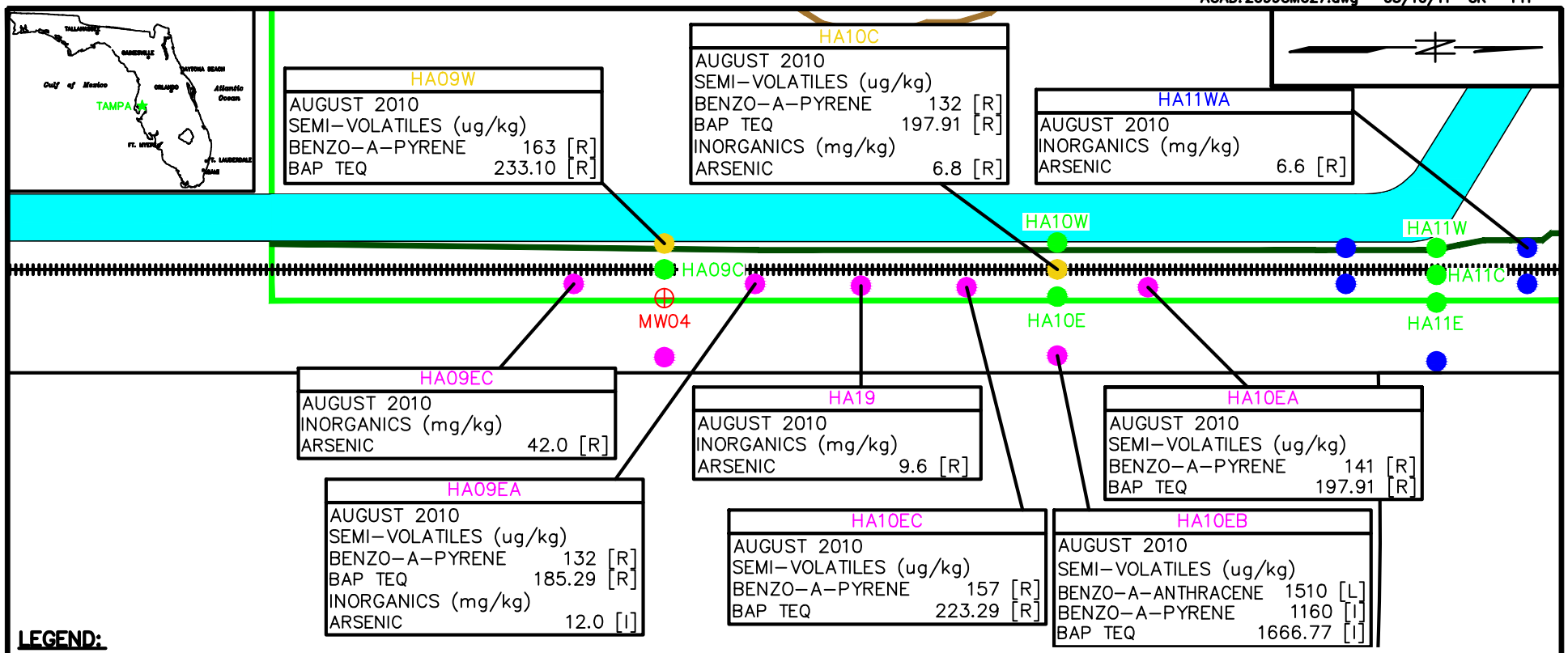
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0-0.5 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 7	REV. 0

ACAD: 2099CM027.dwg 03/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL

0 60 120
GRAPHIC SCALE IN FEET

- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- [I] EXCEEDS FDEP INDUSTRIAL SCTL
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- [L] EXCEEDS FDEP LEACHABILITY SCTL
- ug/kg = MICROGRAMS PER KILOGRAM
- mg/kg = MILLIGRAM PER KILOGRAM
- BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

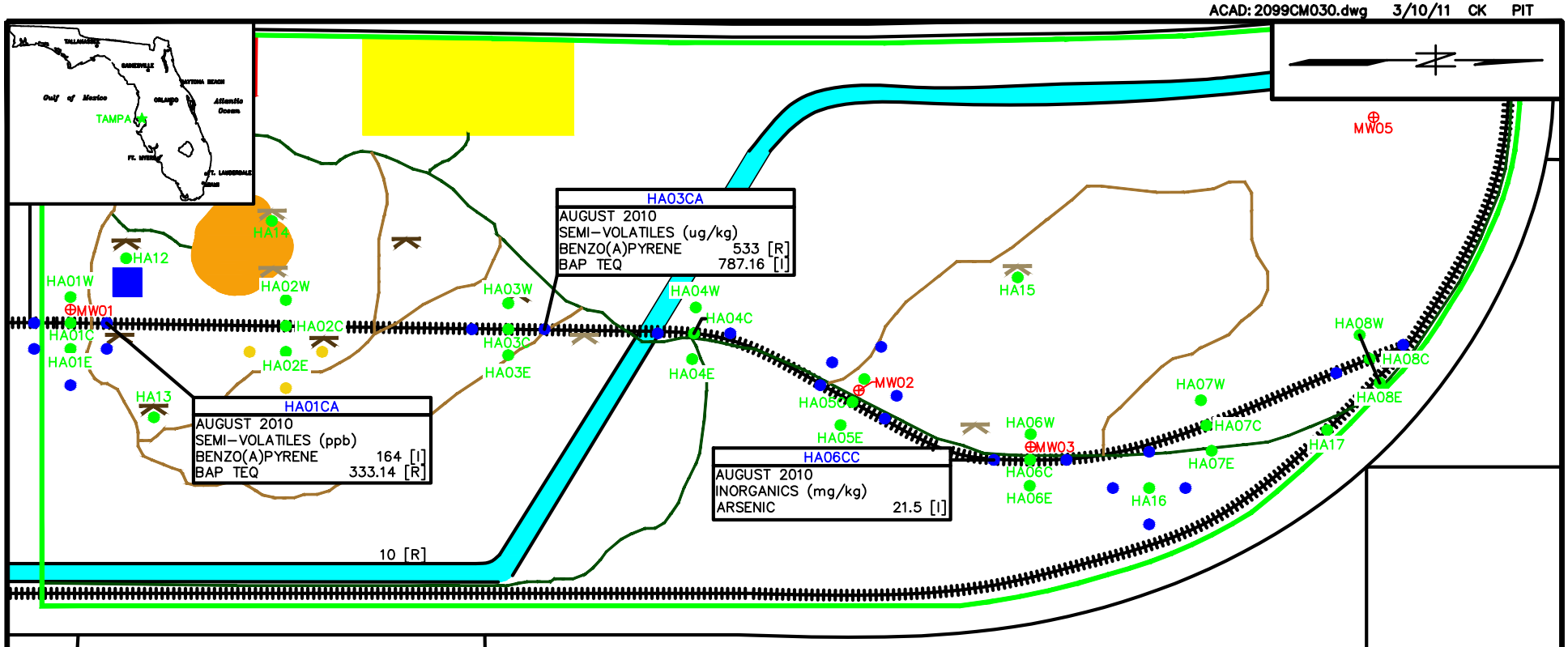
DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0-0.5 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2410	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 8	REV. 0

FORM CADD NO. TTNUS-AH.DWG – REV 1 –9/10/98

ACAD: 2099CM030.dwg 3/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- PROPOSED MONITORING WELL LOCATIONS
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC & LLPAHS
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL

0 150 300
GRAPHIC SCALE IN FEET

- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING
- [I] EXCEEDS FDEP INDUSTRIAL SCTL
- [R] EXCEEDS FDEP RESIDENTIAL SCTL

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg

ug/kg = MICROGRAMS PER KILOGRAM
mg /kg = MILLIGRAMS PER KILOGRAM
BAP TEQ = BENZO(A)PYRENE TOXICITY EQUIVALENT

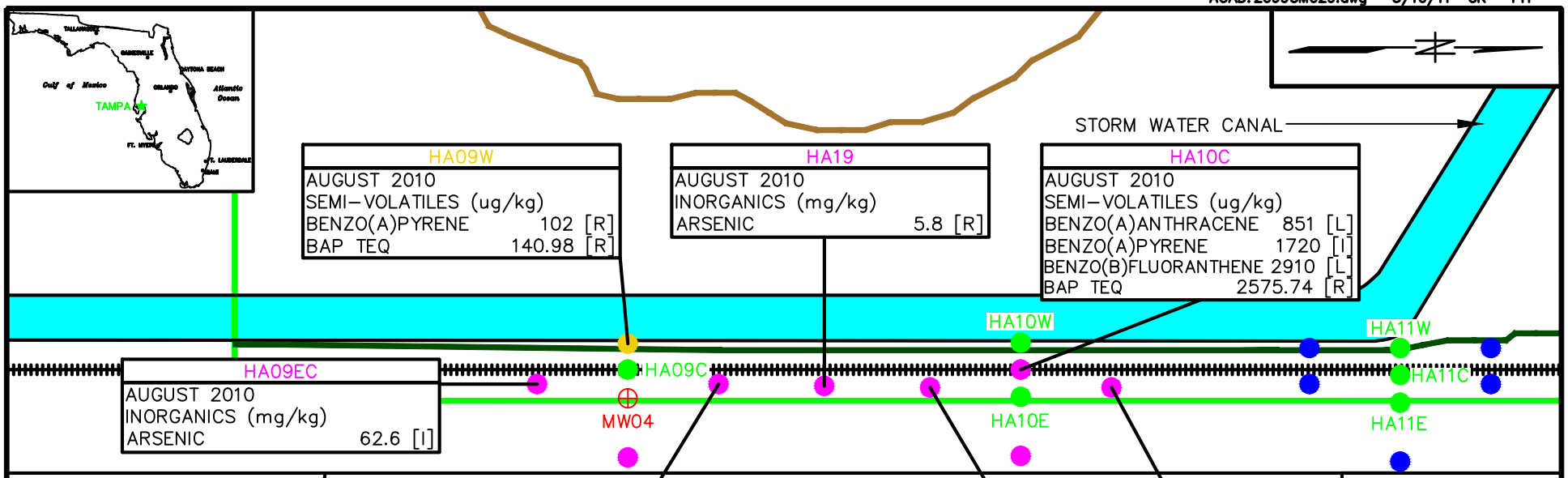
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

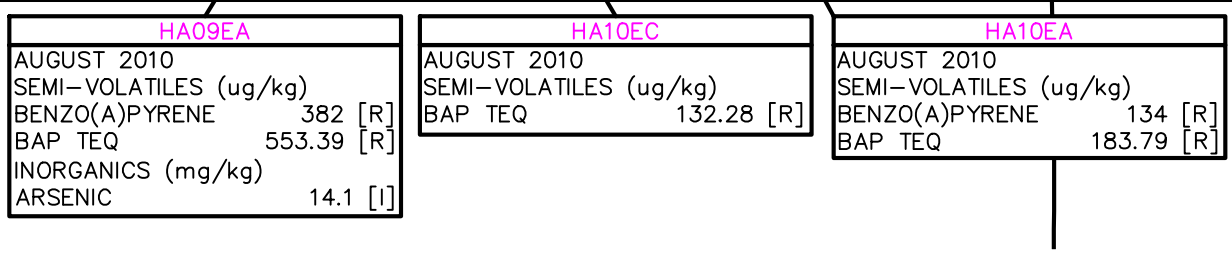
DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0.5-2 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 9	REV. 0

ACAD: 2099CM029.dwg 3/10/11 CK PIT





LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- PROPOSED MONITORING WELL LOCATIONS
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC & LLPAH
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

0 60 120
GRAPHIC SCALE IN FEET

[I] EXCEEDS FDEP INDUSTRIAL SCTL

[R] EXCEEDS FDEP RESIDENTIAL SCTL

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAMS PER KILOGRAM
BAP TEQ = BENZO(A)PYRENE TOXICITY EQUIVALENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BENZO(B)FLUORANTHENE	N/A	N/A	24000 ug/kg

DRAWN BY CK	DATE 9/23/09	
CHECKED BY J.D. SPALDING	DATE 3/10/11	
REVISED BY CK	DATE 3/10/11	
SCALE AS NOTED		

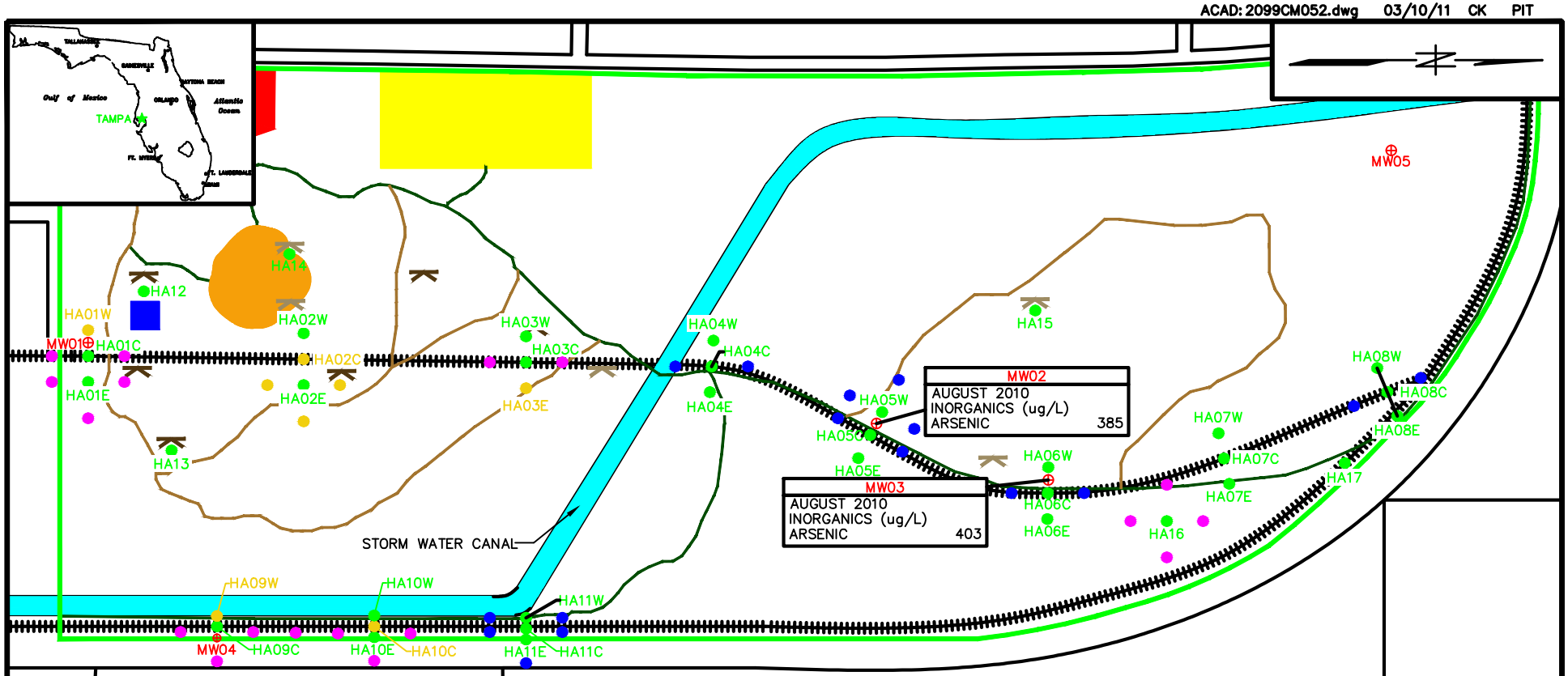
DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0.5-2 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2410	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 10	REV. 0

FORM CADD NO. TTNUS-AH.DWG – REV 1 –9/10/98

ACAD: 2099CM052.dwg 03/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC & LLPAHS
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR ARSENIC
- PROPOSED SAMPLE LOCATION TO BE ANALYZED FOR LLPAH
- MONITORING WELL LOCATION
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

0 150 300
GRAPHIC SCALE IN FEET

FLORIDA MAXIMUM CONTAMINANT LEVEL (MCL)	
CONSTITUENT	MCL
ARSENIC	10 ug/L

APARTMENT COMPLEX

DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

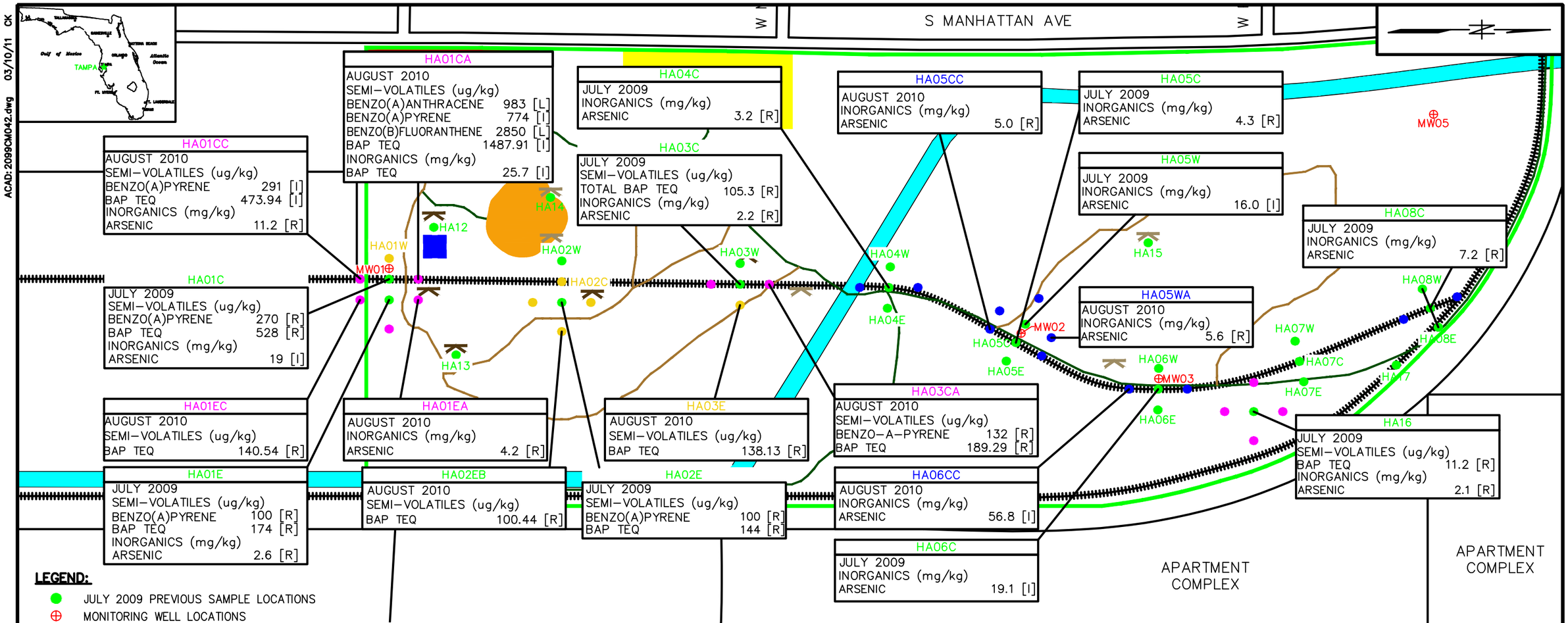
DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

AUGUST 2010 SUMMARY OF GROUNDWATER ANALYTICAL EXCEEDANCES FOR 0-5 FOOT INTERVAL
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 11	REV. 0

RESULTS FOR JULY 2009 AND AUGUST 2010 SAMPLING EVENT

ACAD: 2099CM042.dwg 03/10/11 CK



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

[I] EXCEEDS FDEP INDUSTRIAL SCTL
[R] EXCEEDS FDEP RESIDENTIAL SCTL
[L] EXCEEDS FDEP LEACHABILITY SCTL

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

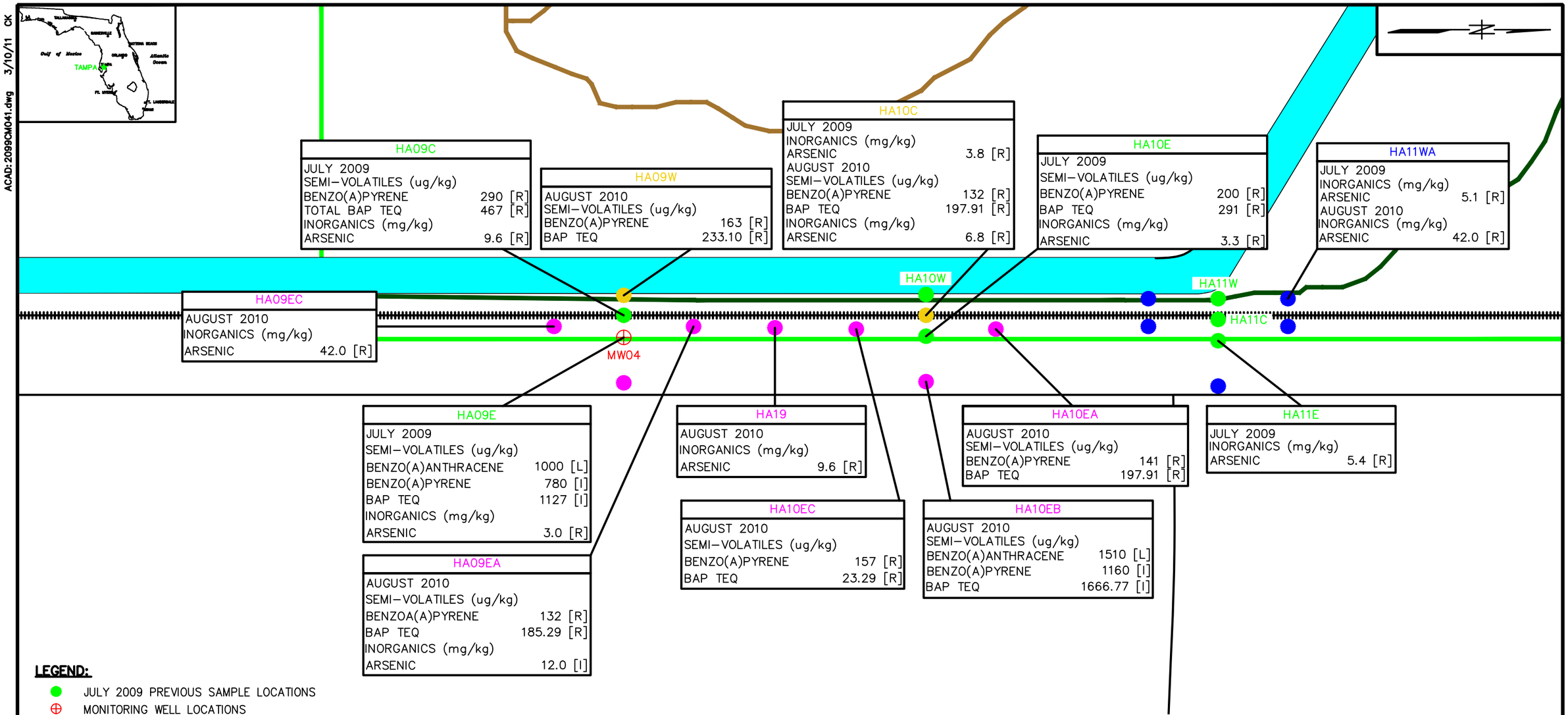
CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BENZO(A)FLUORANTHENE	N/A	N/A	24000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

0 120 240
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 12/28/09	JULY 2009 AND AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0-0.5 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 3/10/11		OWNER NO. FDEP
REVISED BY CK	DATE 3/10/11		APPROVED BY J.D. SPALDING / DATE 3/10/11
SCALE AS NOTED			DRAWING NO. FIGURE 12 / REV. 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

ACAD:2099CM041.dwg 3/10/11 CK



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- [I] EXCEEDS FDEP INDUSTRIAL SCTL
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- [L] EXCEEDS FDEP LEACHABILITY SCTL

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

0 50 100
GRAPHIC SCALE IN FEET

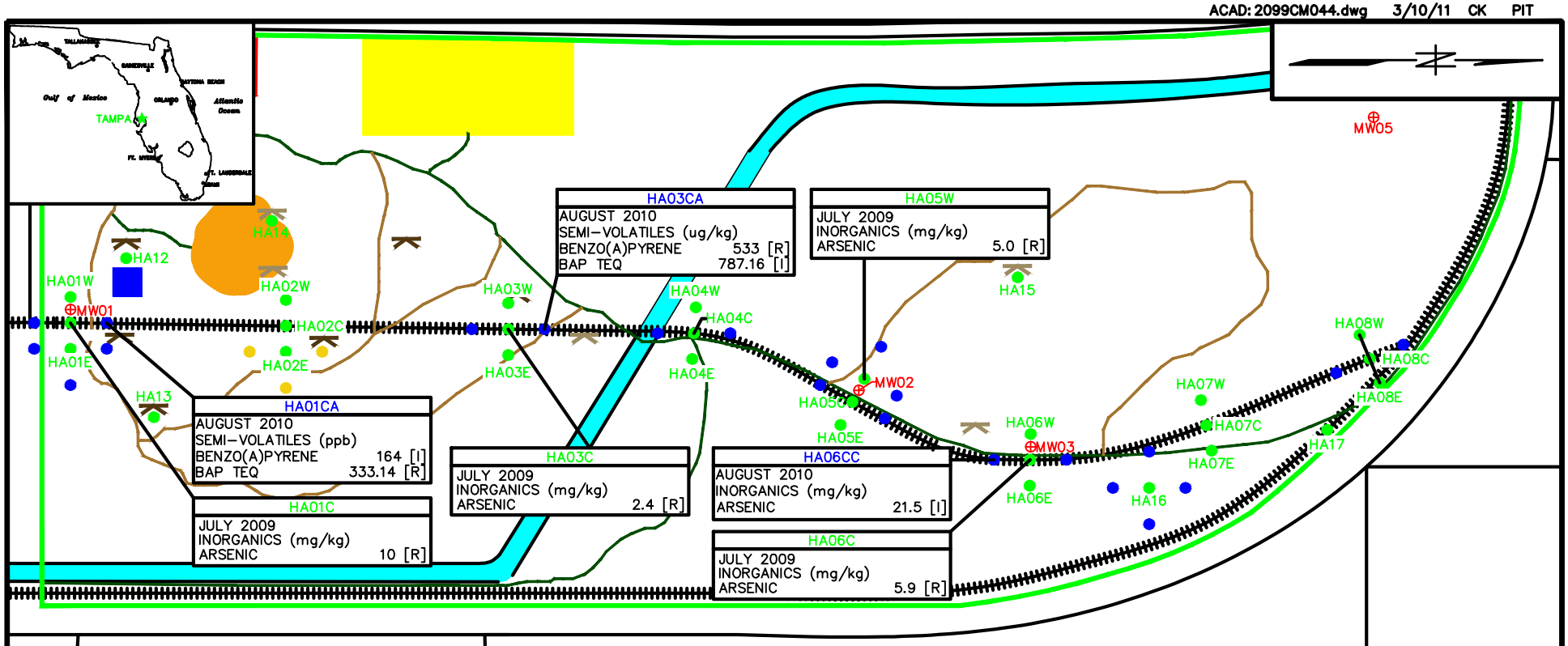
DRAWN BY CK	DATE 12/28/09	
CHECKED BY J.D. SPALDING	DATE 3/10/11	
REVISED BY CK	DATE 3/10/11	
SCALE AS NOTED		

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

JULY 2009 AND AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0-0.5 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2410	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 13	REV. 1

ACAD: 2099CM044.dwg 3/10/11 CK PIT



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAHS
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL

0 150 300
GRAPHIC SCALE IN FEET

- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING
- [I] EXCEEDS FDEP INDUSTRIAL SCTL
- [R] EXCEEDS FDEP RESIDENTIAL SCTL

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 ppm	12 ppm	N/A
BAP TEQ	100 ppb	700 ppb	8000 ppb
BENZO(A)PYRENE	100 ppb	700 ppb	8000 ppb

ug/kg = MICROGRAMS PER KILOGRAM
mg /kg = MILLIGRAMS PER KILOGRAM
BAP TEQ = BENZO(A)PYRENE TOXICITY EQUIVALENT

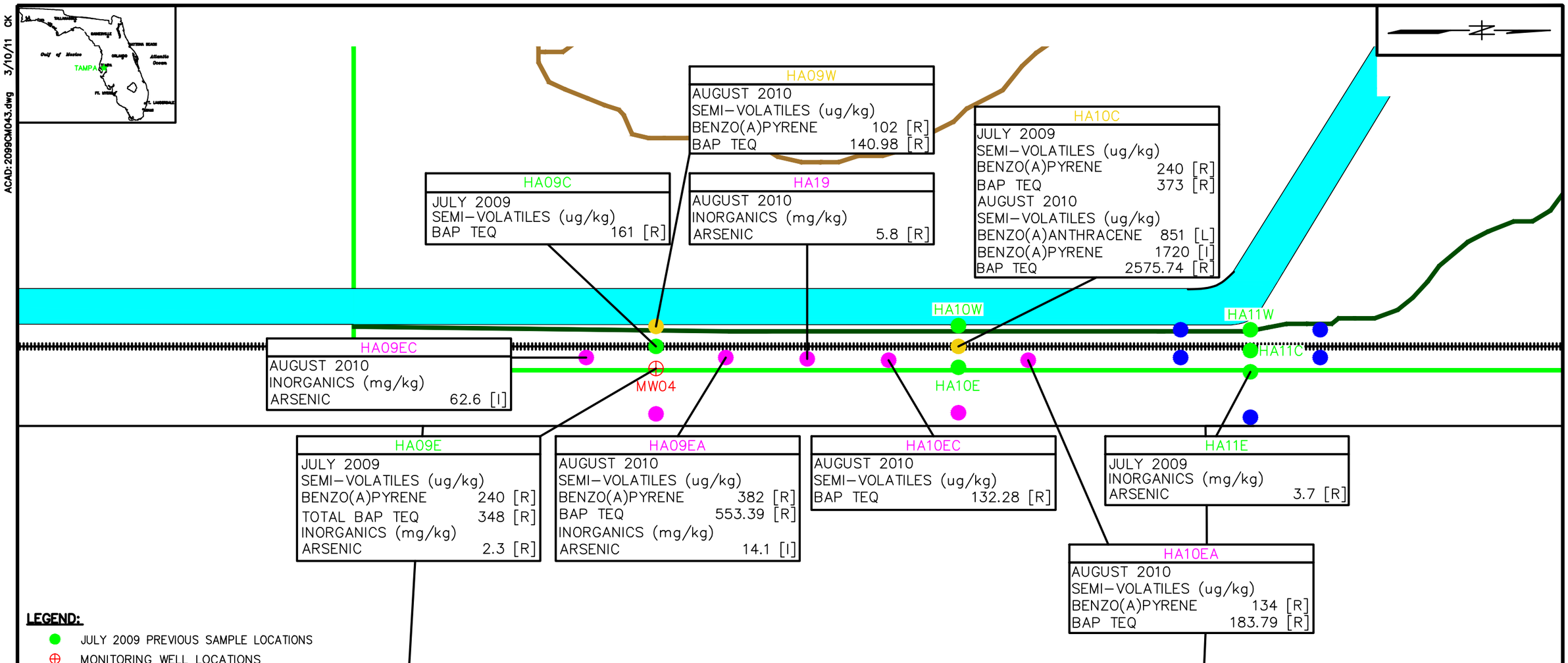
DRAWN BY CK	DATE 9/23/09
CHECKED BY J.D. SPALDING	DATE 3/10/11
REVISED BY CK	DATE 3/10/11
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

JULY 2009 AND AUGUST 2010 SUMMARY OF SOIL SAMPLE LOCATION MAP 0.5-2 FT INTERVAL
CENTER RAIL LINE
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2099	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 3/10/11
DRAWING NO. FIGURE 14	REV. 0

ACAD:2099CM043.dwg 3/10/11 CK



LEGEND:

- JULY 2009 PREVIOUS SAMPLE LOCATIONS
- MONITORING WELL LOCATIONS
- SAMPLE LOCATION ANALYZED FOR ARSENIC & LLPAH
- SAMPLE LOCATION ANALYZED FOR ARSENIC
- SAMPLE LOCATION ANALYZED FOR LLPAH
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

[I] EXCEEDS FDEP INDUSTRIAL SCTL
[R] EXCEEDS FDEP RESIDENTIAL SCTL
[L] EXCEEDS FDEP LEACHABILITY SCTL
mg/kg = MILLIGRAMS PER KILOGRAM
ug/kg = MICROGRAMS PER KILOGRAM
BAP TEQ = BENZO(A)PYRENE TOXICITY EQUIVALENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 ppm	12 ppm	N/A
BAP TEQ	100 ppb	700 ppb	8000 ppb
BENZO(A)ANTHRACENE	N/A	N/A	800 ppb
BENZO(A)PYRENE	100 ppb	700 ppb	8000 ppb

0 50 100
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 12/28/09	JULY 2009 AND AUGUST 2010 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0.5-2 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 3/10/11		OWNER NO. FDEP
REVISED BY CK	DATE 3/10/11		APPROVED BY J.D. SPALDING / DATE 3/10/11
SCALE AS NOTED			DRAWING NO. FIGURE 15 / REV. 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

APPENDIX 1

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FOOT
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-								
SAMPLE ID	Florida Soil Cleanup Target Levels (SCTL) Chapter 62-777, F.A.C.			**HA01C-SF-0.5-0709**	**HA01E-SF-0.5-0709**	**HA01W-SF-0.5-0709**	**HA02C-SF-0.5-0709**	**HA02E-SF-0.5-0709**	**HA02W-SF-0.5-0709**	**HA03C-SF-0.5-0709**	**HA03E-SF-0.5-0709**	**HA03W-SF-0.5-0709**
SAMPLE LOCATION				**HA01C**	**HA01E**	**HA01W**	**HA02C**	**HA02E**	**HA02W**	**HA03C**	**HA03E**	**HA03W**
SAMPLE DATE				**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**
	RESIDENTIAL	INDUSTRIAL	LEACHABILITY									
Semivolatile Organics (µg/kg)												
Bis(2-ethylhexyl)phthalate	72000	390000	3600000	76 I V	100 I V	NA	NA	43 I V	79 I V	51 I V	NA	59 I V
Butyl benzyl phthalate	17000000	380000000	310000	19 U	43 I	NA	NA	14 U	14 U	16 I	NA	14 U
Di-n-octyl phthalate	1700000	39000000	480000000	19 U	16 U	NA	NA	14 U	14 U	14 U	NA	14 U
LLPAH(µg/kg)												
1-Methylnaphthalene	200000	1800000	3100	0.49 U	0.43 U	NA	NA	4.5 I	3.2 I	0.36 U	NA	0.38 U
2-Methylnaphthalene	210000	2100000	8500	0.43 U	0.38 U	NA	NA	7.0 I	4.3 I	0.32 U	NA	0.33 U
Acenaphthene	2400000	20000000	2100	8.9 I	2.1 I	NA	NA	2.0 I	0.25 U	1.8 I	NA	0.25 U
Acenaphthylene	1800000	20000000	27000	240	37	NA	NA	28	33	32	NA	0.33 U
Anthracene	21000000	300000000	2500000	290	92	NA	NA	27	21	50	NA	1.2 I
Benzo[a]anthracene	NC	NC	800	300	120	NA	NA	91	51	65	NA	3.7 I
Benzo[a]pyrene	100	700	8000	270	100	NA	NA	100	65	67	NA	4.2 I
Benzo[b]fluoranthene	NC	NC	2400	850	260	NA	NA	140	100	140	NA	6.7 I
Benzo[g,h,i]perylene	2500000	52000000	32000000	320	69	NA	NA	52	58	35	NA	0.15 U
Benzo[k]fluoranthene	NC	NC	24000	300	81	NA	NA	46	35	55	NA	2.5 I
Chrysene	NC	NC	77000	470	180	NA	NA	99	62	85	NA	4.6 I
Dibenz(a,h)anthracene	NC	NC	700	100	26	NA	NA	14	13	13	NA	0.27 U
Fluoranthene	3200000	59000000	1200000	510	190	NA	NA	150	70	79	NA	5.1 I
Fluorene	2600000	33000000	160000	19	5.7 I	NA	NA	5.3 I	0.27 U	6.0 I	NA	0.27 U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	400	90	NA	NA	61	44	42	NA	0.33 U
Naphthalene	55000	300000	1200	0.45 U	0.39 U	NA	NA	5.2 I	2.6 I	0.33 U	NA	0.34 U
Phenanthrene	2200000	36000000	250000	56	23	NA	NA	58	23	12	NA	2.5 I
Pyrene	2400000	45000000	880000	520	180	NA	NA	140	85	96	NA	5.0 I
TOTAL BAP TEQ	100	700	8000	528	174	NA	NA	144	97.9	105.3	NA	5.4
Pesticides/PCBs (µg/kg)												
4,4'-DDD	4200	22000	5800	NA	NA	0.041 U	0.045 U	NA	NA	NA	0.044 U	NA
4,4'-DDE	2900	15000	18000	NA	NA	1.5 I	0.52 I	NA	NA	NA	1.2 I	NA
4,4'-DDT	2900	15000	11000	NA	NA	0.043 U	0.56 I	NA	NA	NA	0.64 I	NA
alpha-Chlordane	2800*	14000*	9600*	NA	NA	0.12 U	0.13 U	NA	NA	NA	0.27 U	NA
Endrin ketone	NC	NC	NC	NA	NA	0.05 U	0.054 U	NA	NA	NA	0.053 U	NA
Inorganics (mg/kg)												
Silver	410	8200	17	NA	NA	10 U	0.12 U	NA	NA	NA	0.28 I	NA
Arsenic	2.1	12	NC	**19**	2.6	0.20 U	0.56 I	0.23 U	0.26 I	2.2	0.49 I	0.84 I
Barium	120	130000	1600	NA	NA	2.2	6.0	NA	NA	NA	25	NA
Cadmium	82	1700	7.5	NA	NA	0.081 I	0.075 I	NA	NA	NA	0.083 I	NA
Chromium	210**	470**	38**	NA	NA	1.5	2.2	NA	NA	NA	2.0	NA
Lead	400	1400	NC	NA	NA	31	14	NA	NA	NA	26	NA
Mercury	3	17	2.1	NA	NA	0.0082 U	0.019 I	NA	NA	NA	NR I	NA
Selenium	440	11000	5.2	NA	NA	0.37 U	0.44 U	NA	NA	NA	0.39 U	NA

Notes:

Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability SCTL
BAP TEQ = benzo(a)pyrene toxicity equivalent
NC = No criteria for this constituent

NA = Not analyzed
* = used Chlordane (total) SCTLs
** = Total Chromium
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram

U = Analyte was not present exceeding laboratory method detection limit.
I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.
V = contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was below the practical quantitation limit; therefore, re-extraction and/or reanalysis of samples was not performed.

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FOOT
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-								
SAMPLE ID	Florida Soil Cleanup Target Levels (SCTL) Chapter 62-777, F.A.C.			**HA04C-SF-0.5-0709**	**HA04E-SF-0.5-0709**	**HA04W-SF-0.5-0709**	**HA05C-SF-0.5-0709**	**HA05E-SF-0.5-0709**	**HA05W-SF-0.5-0709**	**HA06C-SF-0.5-0709**	**HA06E-SF-0.5-0709**	**HA06W-SF-0.5-0709**
SAMPLE LOCATION				**HA04C**	**HA04E-SF**	**HA04W**	**HA05C**	**HA05E**	**HA05W**	**HA06C**	**HA06E**	**HA06W**
SAMPLE DATE				**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**
	RESIDENTIAL	INDUSTRIAL	LEACHABILITY									
Semivolatile Organics (µg/kg)												
Bis(2-ethylhexyl)phthalate	72000	390000	3600000	NA	39 I V	6000 V	NA	35 I V	45 I V	26 I V	NA	52 I V
Butyl benzyl phthalate	17000000	380000000	310000	NA	14 U	460	NA	14 U	15 U	15 U	NA	16 U
Di-n-octyl phthalate	1700000	39000000	480000000	NA	14 U	1300	NA	14 U	15 U	15 U	NA	16 U
LLPAH(µg/kg)												
1-Methylnaphthalene	200000	1800000	3100	NA	0.36 U	0.39 U	NA	0.38 U	0.39 U	0.40 U	NA	0.43 U
2-Methylnaphthalene	210000	2100000	8500	NA	0.32 U	0.34 U	NA	0.33 U	0.35 U	0.36 U	NA	0.38 U
Acenaphthene	2400000	20000000	2100	NA	0.24 U	0.26 U	NA	0.25 U	0.27 U	0.27 U	NA	0.29 U
Acenaphthylene	1800000	20000000	27000	NA	0.32 U	8.9	NA	0.33 U	2.9 I	0.36 U	NA	0.38 U
Anthracene	21000000	300000000	2500000	NA	0.46 U	8.6	NA	1.1 I	5.9 I	0.51 U	NA	0.54 U
Benzo[a]anthracene	NC	NC	800	NA	0.32 U	24	NA	3.7 I	5.3 I	0.36 U	NA	5.0 I
Benzo[a]pyrene	100	700	8000	NA	1.7 I	30	NA	5.1 I	3.6 I	0.44 U	NA	7.5 I
Benzo[b]fluoranthene	NC	NC	2400	NA	0.38 U	53	NA	10	11	0.43 U	NA	14
Benzo[g,h,i]perylene	2500000	52000000	32000000	NA	0.15 U	18	NA	2.9 I	2.0 I	0.17 U	NA	0.18 U
Benzo[k]fluoranthene	NC	NC	24000	NA	0.34 U	17	NA	4.0 I	3.6 I	0.38 U	NA	5.4 I
Chrysene	NC	NC	77000	NA	2.2 I	32	NA	6.3 I	7.9	0.25 U	NA	9.3
Dibenz(a,h)anthracene	NC	NC	700	NA	0.25 U	6.7 I	NA	0.27 U	0.28 U	0.28 U	NA	0.30 U
Fluoranthene	3200000	59000000	1200000	NA	2.4 I	39	NA	9.2	7.4 I	0.36 U	NA	11
Fluorene	2600000	33000000	160000	NA	0.25 U	0.27 U	NA	0.27 U	0.28 U	0.28 U	NA	0.30 U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	NA	0.32 U	20	NA	4.4 I	2.9 I	0.36 U	NA	0.38 U
Naphthalene	55000	300000	1200	NA	0.33 U	0.35 U	NA	0.34 U	0.36 U	0.37 U	NA	0.39 U
Phenanthrene	2200000	36000000	250000	NA	0.81 I	8.8	NA	2.9 I	1.0 I	0.50 U	NA	0.53 U
Pyrene	2400000	45000000	880000	NA	1.9 I	42	NA	8.3	7.6 I	0.39 U	NA	11
TOTAL BAP TEQ	100	700	8000	NA	1.9	46.6	NA	7.1	5.7	0.4	NA	9.6
Pesticides/PCBs (µg/kg)												
4,4'-DDD	4200	22000	5800	0.045 U	NA	NA	0.046 U	NA	NA	NA	0.052 U	NA
4,4'-DDE	2900	15000	18000	0.089 U	NA	NA	0.091 U	NA	NA	NA	0.1 U	NA
4,4'-DDT	2900	15000	11000	0.047 U	NA	NA	0.048 U	NA	NA	NA	0.055 U	NA
alpha-Chlordane	2800*	14000*	9600*	0.13 U	NA	NA	0.14 U	NA	NA	NA	0.16 U	NA
Endrin ketone	NC	NC	NC	0.054 U	NA	NA	0.055 U	NA	NA	NA	0.063 U	NA
Inorganics (mg/kg)												
Silver	410	8200	17	0.11 U	NA	NA	O.11 U	NA	NA	NA	0.12 U	NA
Arsenic	2.1	12	NC	3.2	0.81 I	0.62 I	4.3	0.75 I	**16**	**19**	1.5	1.3
Barium	120	130000	1600	1.9	NA	NA	2.0	NA	NA	NA	4.2	NA
Cadmium	82	1700	7.5	0.047 U	NA	NA	0.048 U	NA	NA	NA	0.052 U	NA
Chromium	210**	470**	38**	0.94 I	NA	NA	1.2	NA	NA	NA	1.9	NA
Lead	400	1400	NC	2.5	NA	NA	5.8	NA	NA	NA	3.7	NA
Mercury	3	17	2.1	0.0078 U	NA	NA	0.0085 U	NA	NA	NA	0.016 I	NA
Selenium	440	11000	5.2	0.41 U	NA	NA	0.42 U	NA	NA	NA	0.61 I	NA

Notes:

Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability SCTL
BAP TEQ = benzo(a)pyrene toxicity equivalent
NC = No criteria for this constituent

NA = Not analyzed
* = used Chlordane (total) SCTLs
** = Total Chromium
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram

U = Analyte was not present exceeding laboratory method detection limit.
I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.
V = contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was below the practical quantitation limit; therefore, re-extraction and/or reanalysis of samples was not performed.

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FOOT
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

| | | | | SAMPLE ID PREFIX - RTKP- | | | |

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FOOT
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-								
SAMPLE ID	Florida Soil Cleanup Target Levels (SCTL) Chapter 62-777, F.A.C.			**HA10C-SF-0.5-0709**	**HA10E-SF-0.5-0709**	**HA10W-SF-0.5-0709**	**HA11C-SF-0.5-0709**	**HA11E-SF-0.5-0709**	**HA11W-SF-0.5-0709**	**HA12-SF-0.5-0709**	**HA13-SF-0.5-0709**	**HA14-SF-0.5-0709**
SAMPLE LOCATION				**HA10C**	**HA10E**	**HA10W**	**HA11C**	**HA11E**	**HA11W**	**HA12**	**HA13**	**HA14**
SAMPLE DATE				**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**	**7/27/2009**
	RESIDENTIAL	INDUSTRIAL	LEACHABILITY									
Semivolatile Organics (µg/kg)												
Bis(2-ethylhexyl)phthalate	72000	390000	3600000	NA	40 I V	58 I V	44 I V	NA	66 I V	45 I V	74 I V	53 I V
Butyl benzyl phthalate	17000000	380000000	310000	NA	15 U	14 U	14 U	NA	16 U	15 U	14 U	14 U
Di-n-octyl phthalate	1700000	39000000	480000000	NA	15 U	14 U	14 U	NA	16 U	15 U	14 U	14 U
LLPAH(µg/kg)												
1-Methylnaphthalene	200000	1800000	3100	NA	7.2 I	0.36 U	0.36 U	NA	0.42 U	0.40 U	0.36 U	0.36 U
2-Methylnaphthalene	210000	2100000	8500	NA	13	0.32 U	0.32 U	NA	0.37 U	0.35 U	0.32 U	0.31 U
Acenaphthene	2400000	20000000	2100	NA	5.8 I	0.24 U	0.25 U	NA	0.29 U	0.27 U	0.25 U	0.24 U
Acenaphthylene	1800000	20000000	27000	NA	84	0.32 U	15	NA	12	14 V	11 V	2.3 I V
Anthracene	21000000	300000000	2500000	NA	80	2.4 I	18	NA	8.6	19 V	7.5 V	2.3 I V
Benzo[a]anthracene	NC	NC	800	NA	180	2.9 I	28	NA	14	43 V	20 V	7.5 V
Benzo[a]pyrene	100	700	8000	NA	200	5.9 I	48	NA	27	60 V	26 V	9.5 V
Benzo[b]fluoranthene	NC	NC	2400	NA	240	12	170	NA	51	82 V	37 V	15 V
Benzo[g,h,i]perylene	2500000	52000000	32000000	NA	110	4.3 I	49	NA	21	37	23	5.8 I
Benzo[k]fluoranthene	NC	NC	24000	NA	86	4.2 I	48	NA	19	30	13	4.6 I
Chrysene	NC	NC	77000	NA	220	6.9 I	90	NA	35	62 V	23 V	11 V
Dibenz(a,h)anthracene	NC	NC	700	NA	36	0.25 U	9.7	NA	6.3 I	14	9.1	2.1 I
Fluoranthene	3200000	59000000	1200000	NA	180	5.3 I	68	NA	34	67 V	28 V	11 V
Fluorene	2600000	33000000	160000	NA	16	0.25 U	0.26 U	NA	0.30 U	0.28 U	0.26 U	0.25 U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	NA	120	0.32 U	50	NA	23	48	22	7.8
Naphthalene	55000	300000	1200	NA	11	0.33 U	0.33 U	NA	0.39 U	0.36 U	0.33 U	0.32 U
Phenanthrene	2200000	36000000	250000	NA	100	0.44 U	7.3	NA	11	20 V	8.4 V	3.9 I V
Pyrene	2400000	45000000	880000	NA	310	5.2 I	64	NA	38	76 V	31 V	14 V
TOTAL BAP TEQ	100	700	8000	NA	291	7.6	83.1	NA	42.3	91.7	43.2	14.7
Pesticides/PCBs (µg/kg)												
4,4'-DDD	4200	22000	5800	0.043 U	NA	NA	NA	0.043 U	NA	0.047 U	0.043 U	0.042 U
4,4'-DDE	2900	15000	18000	0.37 I	NA	NA	NA	0.67 I	NA	0.093 U	0.26 I	0.084 U
4,4'-DDT	2900	15000	11000	1.5 I	NA	NA	NA	1.3 I	NA	0.049 U	0.045 U	0.044 U
alpha-Chlordane	2800*	14000*	9600*	0.13 U	NA	NA	NA	0.13 U	NA	0.14 U	0.13 U	0.13 U
Endrin ketone	NC	NC	NC	1.5 IV	NA	NA	NA	0.052 U	NA	0.056 U	0.052 U	0.050 U
Inorganics (mg/kg)												
Silver	410	8200	17	0.10 U	NA	NA	NA	0.11 U	NA	0.11 U	0.11 U	0.10 U
Arsenic	2.1	12	NC	3.8	3.3	0.33 I	1.2	5.4	5.1	0.27 I	0.73 I	0.66 I
Barium	120	130000	1600	2.2	NA	NA	NA	3.4	NA	2.9	2.9	1.3
Cadmium	82	1700	7.5	0.045 U	NA	NA	NA	0.052 I	NA	0.047 U	0.046 U	0.043 U
Chromium	210**	470**	38**	1.2	NA	NA	NA	1.8	NA	1.2	1.0	0.47 I
Lead	400	1400	NC	2.0	NA	NA	NA	11	NA	9.1	4.6	4.9
Mercury	3	17	2.1	0.0084 U	NA	NA	NA	0.0080 I	NA	0.013 I	0.018 I	0.0085 U
Selenium	440	11000	5.2	0.39 U	NA	NA	NA	0.43 U	NA	0.41 U	0.40 U	0.38 U

Notes:

Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability SCTL
BAP TEQ = benzo(a)pyrene toxicity equivalent
NC = No criteria for this constituent

NA = Not analyzed
* = used Chlordane (total) SCTLs
** = Total Chromium
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram

U = Analyte was not present exceeding laboratory method detection limit.
I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.
V = contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was below the practical quantitation limit; therefore, re-extraction and/or reanalysis of samples was not performed.

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0 TO 0.5 FOOT
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-					
SAMPLE ID	Florida Soil Cleanup Target Levels (SCTL) Chapter 62-777, F.A.C.			**HA15-SF-0.5-0709**		**HA16-SF-0.5-0709**		**HA17-SF-0.5-0709**	
SAMPLE LOCATION				**HA15**		**HA16**		**HA17**	
SAMPLE DATE				**7/27/2009**		**7/27/2009**		**7/27/2009**	
	RESIDENTIAL	INDUSTRIAL	LEACHABILITY						
Semivolatile Organics (µg/kg)									
Bis(2-ethylhexyl)phthalate	72000	390000	3600000	72	I V	940	V	48	I V
Butyl benzyl phthalate	17000000	380000000	310000	15	U	16	U	14	U
Di-n-octyl phthalate	1700000	39000000	480000000	15	U	16	U	14	U
LLPAH(µg/kg)									
1-Methylnaphthalene	200000	1800000	3100	0.40	U	0.41	U	0.37	U
2-Methylnaphthalene	210000	2100000	8500	0.35	U	0.36	U	0.32	U
Acenaphthene	2400000	20000000	2100	0.27	U	1.8	I V	0.25	U
Acenaphthylene	1800000	20000000	27000	0.35	U	45	V	0.32	U
Anthracene	21000000	300000000	2500000	1.1	I V	99	V	1.3	I
Benzo[a]anthracene	NC	NC	800	6.7	I V	83	V	6.7	I
Benzo[a]pyrene	100	700	8000	12	V	90	V	11	
Benzo[b]fluoranthene	NC	NC	2400	19	V	240	V	20	
Benzo[g,h,i]perylene	2500000	52000000	32000000	8.8		62		7.1	I
Benzo[k]fluoranthene	NC	NC	24000	5.8	I	79		6.4	I
Chrysene	NC	NC	77000	13	V	140	V	13	
Dibenz(a,h)anthracene	NC	NC	700	2.7	I	26		0.26	U
Fluoranthene	3200000	59000000	1200000	18	V	150	V	17	
Fluorene	2600000	33000000	160000	0.28	U	8.7	V	0.26	U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	7.6	I	72		7.5	
Naphthalene	55000	300000	1200	0.36	U	0.38	U	0.34	U
Phenanthrene	2200000	36000000	250000	4.8	I V	19	V	4.6	I
Pyrene	2400000	45000000	880000	15	V	150	V	15	
TOTAL BAP TEQ	100	700	8000	18.1		156		14.6	
Pesticides/PCBs (µg/kg)									
4,4'-DDD	4200	22000	5800	0.047	U	0.049	U	0.043	U
4,4'-DDE	2900	15000	18000	0.094	U	0.098	U	0.086	U
4,4'-DDT	2900	15000	11000	0.049	U	0.051	U	0.045	U
alpha-Chlordane	2800*	14000*	9600*	0.14	U	0.15	U	0.13	U
Endrin ketone	NC	NC	NC	0.056	U	0.059	U	0.052	U
Inorganics (mg/kg)									
Silver	410	8200	17	0.12	U	0.13	U	0.11	U
Arsenic	2.1	12	NC	0.81	I	2.1		0.76	I
Barium	120	130000	1600	2.4		2.1		1.5	
Cadmium	82	1700	7.5	0.053	U	0.054	U	0.045	U
Chromium	210**	470**	38**	1.4		1.4		1.4	
Lead	400	1400	NC	4.9		3.9		4.5	
Mercury	3	17	2.1	0.0077	U	0.0095	U	0.0081	I
Selenium	440	11000	5.2	0.46	U	0.47	U	0.39	U

Notes:

Shaded value exceeds FDEP Residential SCTL.
Bold/shaded value exceeds Industrial SCTL.
Yellow shaded value exceeds Leachability SCTL
BAP TEQ = benzo(a)pyrene toxicity equivalent
NC = No criteria for this constituent

NA = Not analyzed
* = used Chlordane (total) SCTLs
** = Total Chromium
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram

U = Analyte was not present exceeding laboratory method detection limit.
I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.
V = contained bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was below the practical quantitation limit; therefore, re-extraction and/or reanalysis of samples was not performed.

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2 FEET
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-										
SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			**HA01C-SB-2.0-0709**		**HA01E-SB-2.0-0709**		**HA02E-SB-2.0-0709**		**HA03C-SB2.0-0709**		**HA04C-SB2.0-0709**	
SAMPLE LOCATION				**HA01C**		**HA01E**		**HA02E**		**HA03C**		**HA04C**	
SAMPLE DATE	RESIDENTIAL	INDUSTRIAL	LEACHABILITY	**7/28/2009**		**7/28/2009**		**7/28/2009**		**7/28/2009**		**7/29/2009**	
Semivolatile Organics (µg/kg)													
1-Methylnaphthalene	200000	1800000	3100	0.41	U	0.40	U	0.39	U	0.37	U	0.40	U
2-Methylnaphthalene	210000	2100000	8500	0.36	U	0.36	U	0.34	U	0.33	U	0.35	U
Acenaphthene	2400000	20000000	2100	0.28	U	0.27	U	0.26	U	0.25	U	0.27	U
Acenaphthylene	1800000	20000000	27000	32		0.36	U	0.34	U	15		0.35	U
Anthracene	21000000	300000000	2500000	48		5.5	I	0.49	U	23		0.50	U
Benzo[a]anthracene	NC	NC	800	56		8.1		1.4	I	36		0.35	U
Benzo[a]pyrene	100	700	8000	42		8.2		1.7	I	34		0.43	U
Benzo[b]fluoranthene	NC	NC	2400	140		14		2.7	I	76		0.42	U
Benzo[g,h,i]perylene	2500000	52000000	32000000	43		6.3	I	0.16	U	24		0.16	U
Benzo[k]fluoranthene	NC	NC	24000	44		6.3	I	0.56	I	23		0.37	U
Chrysene	NC	NC	77000	81		10		1.6	I	51		0.25	U
Dibenz(a,h)anthracene	NC	NC	700	14		2.6	I	0.27	U	7.8		0.28	U
Fluoranthene	3200000	59000000	1200000	71		10		1.7	I	51		0.35	U
Fluorene	2600000	33000000	160000	0.29	U	0.28	U	0.27	U	0.26	U	0.28	U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	51		7.0	I	0.34	U	28		0.35	U
Naphthalene	55000	300000	1200	0.37	U	0.37	U	0.35	U	0.34	U	0.36	U
Phenanthrene	2200000	36000000	250000	7.0	I	2.3	I	0.48	U	6.6	I	0.49	U
Pyrene	2400000	45000000	880000	82		12		2	I	55		0.39	U
Total BAP TEQ	100	700	8000	81.22		13.78		3.09		56.08		0.41	
Inorganics (mg/kg)													
Arsenic	2.1	12	NC	10		0.76	I	0.69	I	2.4		1.3	

Notes:

Shaded = Exceeds FDEP Residential SCTL.

NC = No criteria for this constituent.

U = Analyte was not present exceeding laboratory method detection limit.

I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2 FEET
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-				
SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			**HA05W-SB2.0-0709**	**HA05C-SB2.0-0709**	**HA06C-SB2.0-0709**	**HA08C-SB2.0-0709**	**HA09E-SB-2.0-0709**
SAMPLE LOCATION				**HA05W**	**HA05C**	**HA06C**	**HA08C**	**HA09E**
SAMPLE DATE	RESIDENTIAL	INDUSTRIAL	LEACHABILITY	**7/29/2009**	**7/29/2009**	**7/29/2009**	**7/29/2009**	**7/28/2009**
Semivolatile Organics (µg/kg)								
1-Methylnaphthalene	200000	1800000	3100	0.42 U	0.42 U	0.42 U	0.41 U	18
2-Methylnaphthalene	210000	2100000	8500	0.37 U	0.37 U	0.37 U	0.36 U	18
Acenaphthene	2400000	20000000	2100	0.28 U	0.28 U	0.28 U	0.27 U	8.5
Acenaphthylene	1800000	20000000	27000	0.37 U	0.37 U	0.37 U	0.36 U	80
Anthracene	21000000	300000000	2500000	1.6 I	0.53 U	0.53 U	0.51 U	100
Benzo[a]anthracene	NC	NC	800	1.2 I	0.37 U	0.37 U	0.36 U	300
Benzo[a]pyrene	100	700	8000	0.45 U	0.45 U	0.46 U	0.44 U	240
Benzo[b]fluoranthene	NC	NC	2400	2.1 I	0.44 U	0.44 U	0.43 U	250
Benzo[g,h,i]perylene	2500000	52000000	32000000	0.17 U	0.17 U	0.17 U	0.17 U	120
Benzo[k]fluoranthene	NC	NC	24000	0.39 U	0.39 U	0.39 U	0.38 U	110
Chrysene	NC	NC	77000	1.7 I	0.26 U	0.26 U	0.25 U	310
Dibenz(a,h)anthracene	NC	NC	700	0.29 U	0.29 U	0.30 U	0.29 U	39
Fluoranthene	3200000	59000000	1200000	1.6 I	0.37 U	0.37 U	0.36 U	360
Fluorene	2600000	33000000	160000	0.29 U	0.29 U	0.30 U	0.29 U	40
Indeno[1,2,3-cd]pyrene	NC	NC	6600	0.37 U	0.37 U	0.37 U	0.36 U	130
Naphthalene	55000	300000	1200	0.38 U	0.38 U	0.38 U	0.37 U	8.3
Phenanthrene	2200000	36000000	250000	0.51 U	0.51 U	0.52 U	0.50 U	290
Pyrene	2400000	45000000	880000	1.8 I	0.40 U	0.41 U	0.39 U	650
Total BAP TEQ	100	700	8000	0.72	0.43	0.44	0.42	348
Inorganics (mg/kg)								
Arsenic	2.1	12	NC	5.0	1.5	5.9	0.24 U	2.3

Notes:

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NC = No criteria for this constituent.

U = Analyte was not present exceeding laboratory method detection limit.

I = Estimated value; concentration is between the method detection limit and the practical quantitatio

SUMMARY OF SURFACE SOIL ANALYTICAL RESULTS FROM 0.5 TO 2 FEET
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-									
SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			**HA09C-SB-2.0-0709**		**HA10E-SB2.0-0709**		**HA10C-SB2.0-0709**		**HA11E-SB2.0-0709**		**HA11W-SB2.0-0709**	
SAMPLE LOCATION				**HA09C**		**HA10E**		**HA10C**		**HA11E**		**HA11W**	
SAMPLE DATE	RESIDENTIAL	INDUSTRIAL	LEACHABILITY	**7/28/2009**		**7/28/2009**		**7/28/2009**		**7/28/2009**		**7/28/2009**	
Semivolatile Organics (µg/kg)													
1-Methylnaphthalene	200000	1800000	3100	0.37	U	3.6	I	0.41	U	0.38	U	0.42	U
2-Methylnaphthalene	210000	2100000	8500	0.33	U	5.8	I	0.36	U	0.34	U	0.37	U
Acenaphthene	2400000	20000000	2100	0.25	U	0.27	U	0.28	U	0.26	U	0.28	U
Acenaphthylene	1800000	20000000	27000	33		41		64		2.2	I	0.37	U
Anthracene	21000000	300000000	2500000	24		39		60		1.6	I	0.53	U
Benzo[a]anthracene	NC	NC	800	70		90		120		3.6	I	0.37	U
Benzo[a]pyrene	100	700	8000	98		88		240		3.8	I	1.5	I
Benzo[b]fluoranthene	NC	NC	2400	230		92		530		5.7	I	2.2	I
Benzo[g,h,i]perylene	2500000	52000000	32000000	92		55		200		4.8	I	0.17	U
Benzo[k]fluoranthene	NC	NC	24000	72		30		160		2.1	I	1.2	I
Chrysene	NC	NC	77000	150		92		200		4.0	I	0.26	U
Dibenz(a,h)anthracene	NC	NC	700	23		17		47		0.27	U	0.30	U
Fluoranthene	3200000	59000000	1200000	180		72		110		3.9	I	1.7	I
Fluorene	2600000	33000000	160000	2.6	I	8.0		0.29	U	0.27	U	0.30	U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	87		45		190		4.5	I	0.37	U
Naphthalene	55000	300000	1200	0.34	U	4.9	I	0.37	U	0.35	U	0.38	U
Phenanthrene	2200000	36000000	250000	22		28		8.7		1.9	I	0.52	U
Pyrene	2400000	45000000	880000	170		140		170		4.5	I	2.5	I
Total BAP TEQ	100	700	8000	161		128		373		5		2	
Inorganics (mg/kg)													
Arsenic	2.1	12	NC	1.9		0.72	I	2.0		3.7		1.5	

Notes:

Shaded = Exceeds FDEP Residential SCTL.

NC = No criteria for this constituent.

U = Analyte was not present exceeding laboratory method detection limit.

I = Estimated value; concentration is between the method detection limit and the practical quantitatio

SUMMARY OF SUB-SURFACE SOIL ANALYTICAL RESULTS FROM 2 TO 4 FEET
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-									
SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			**HA01C-SB4.0-0709**		**HA03C-SB4.0-0709**		**HA05W-SB4.0-0709**		**HA05C-SB4.0-0709**		**HA06C-SB4.0-0709**	
SAMPLE LOCATION				**HA01C**		**HA03C**		**HA05W**		**HA05C**		**HA06C**	
SAMPLE DATE	RESIDENTIAL	INDUSTRIAL	LEACHABILITY	**7/28/2009**		**7/29/2009**		**7/29/2009**		**7/29/2009**		**7/29/2009**	
Semivolatile Organics (µg/kg)													
Acenaphthene	2400000	20000000	2100	0.29	U	0.28	U	0.29	U	0.28	U	0.28	U
Acenaphthylene	1800000	20000000	27000	6.7	I	5.1	I	0.38	U	0.37	U	0.36	U
Anthracene	21000000	300000000	2500000	10		11		0.54	U	0.52	U	0.74	I
Benzo[a]anthracene	NC	NC	800	8.3	I	15		0.38	U	0.37	U	0.36	U
Benzo[a]pyrene	100	700	8000	6.0	I	13		0.47	U	0.45	U	0.44	U
Benzo[b]fluoranthene	NC	NC	2400	20		29		0.46	U	0.44	U	0.43	U
Benzo[g,h,i]perylene	2500000	52000000	32000000	6.5	I	11		0.18	U	0.17	U	0.17	U
Benzo[k]fluoranthene	NC	NC	24000	6.7	I	14		0.4	U	0.39	U	0.38	U
Chrysene	NC	NC	77000	11		23		0.27	U	0.26	U	0.25	U
Dibenz(a,h)anthracene	NC	NC	700	2.3	I	3.8	I	0.3	U	0.29	U	0.29	U
Fluoranthene	3200000	59000000	1200000	10		22		0.38	U	0.37	U	0.36	U
Fluorene	2600000	33000000	160000	0.30	U	0.29	U	0.3	U	0.29	U	0.29	U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	7.3	I	11		0.38	U	0.37	U	0.36	U
Phenanthrene	2200000	36000000	250000	1.5	I	2.9	I	0.53	U	0.51	U	0.51	U
Pyrene	2400000	45000000	880000	12		21		0.4	U	0.4	U	0.4	U
Total BAP TEQ	100	700	8000	11.9		22.5		0.9		0.9		0.8	
Inorganics (mg/kg)													
Arsenic	2.1	12	NC	2.7		1.4		0.88	I	0.57	I	0.97	I

Notes:

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I = Estimated value; concentration is between the method detection limit and the practical quantitation limit.

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NC = No criteria for this constituent.

SUMMARY OF SUB-SURFACE SOIL ANALYTICAL RESULTS FROM 2 TO 4 FEET
JULY 2009
RAILS TO TRAILS KEEN PARCEL SITE
TAMPA, FLORIDA

				SAMPLE ID PREFIX - RTKP-							
SAMPLE ID	Florida Soil Cleanup Target Levels Chapter 62-777, F.A.C.			**HA09C-SB-4.0-0709**		**HA09E-SB-4.0-0709**		**HA10E-SB4.0-0709**		**HA11E-SB4.0-0709**	
SAMPLE LOCATION				**HA09C**		**HA09E**		**HA10E**		**HA11E**	
SAMPLE DATE	RESIDENTIAL	INDUSTRIAL	LEACHABILITY	**7/28/2009**		**7/28/2009**		**7/28/2009**		**7/28/2009**	
Semivolatile Organics (µg/kg)											
Acenaphthene	2400000	20000000	2100	2.6	I	0.24	U	0.28	U	0.28	U
Acenaphthylene	1800000	20000000	27000	68		0.31	U	4.1	I	0.37	U
Anthracene	21000000	300000000	2500000	48		1.1	I	3.4	I	0.53	U
Benzo[a]anthracene	NC	NC	800	140		2.1	I	8.7		0.37	U
Benzo[a]pyrene	100	700	8000	210		2.8	I	9.4		0.45	U
Benzo[b]fluoranthene	NC	NC	2400	460		2.6	I	8.6		0.44	U
Benzo[g,h,i]perylene	2500000	52000000	32000000	160		2.0	I	5.1	I	0.17	U
Benzo[k]fluoranthene	NC	NC	24000	170		1.2	I	3.7	I	0.39	U
Chrysene	NC	NC	77000	290		2.7	I	9.7		0.26	U
Dibenz(a,h)anthracene	NC	NC	700	41		0.25	U	0.29	U	0.29	U
Fluoranthene	3200000	59000000	1200000	350		2.3	I	6.0	I	0.91	I
Fluorene	2600000	33000000	160000	5.0	I	0.25	U	0.29	U	0.29	U
Indeno[1,2,3-cd]pyrene	NC	NC	6600	170		1.6	I	5.2	I	0.37	U
Phenanthrene	2200000	36000000	250000	44		1.5	I	2.3	I	0.51	U
Pyrene	2400000	45000000	880000	330		3.7	I	13		1.3	I
Total BAP TEQ	100	700	8000	329.99		3.6		11.8		0.4	
Inorganics (mg/kg)											
Arsenic	2.1	12	NC	1.4		0.61	I	0.25	U	1.5	

Notes:
Shaded = Exceeds FDEP Residential SCTL.
I = Estimated value; concentration is between the method detection limit and the practical quan
U = Analyte was not present exceeding laboratory method detection limit.
NC = No criteria for this constituent.

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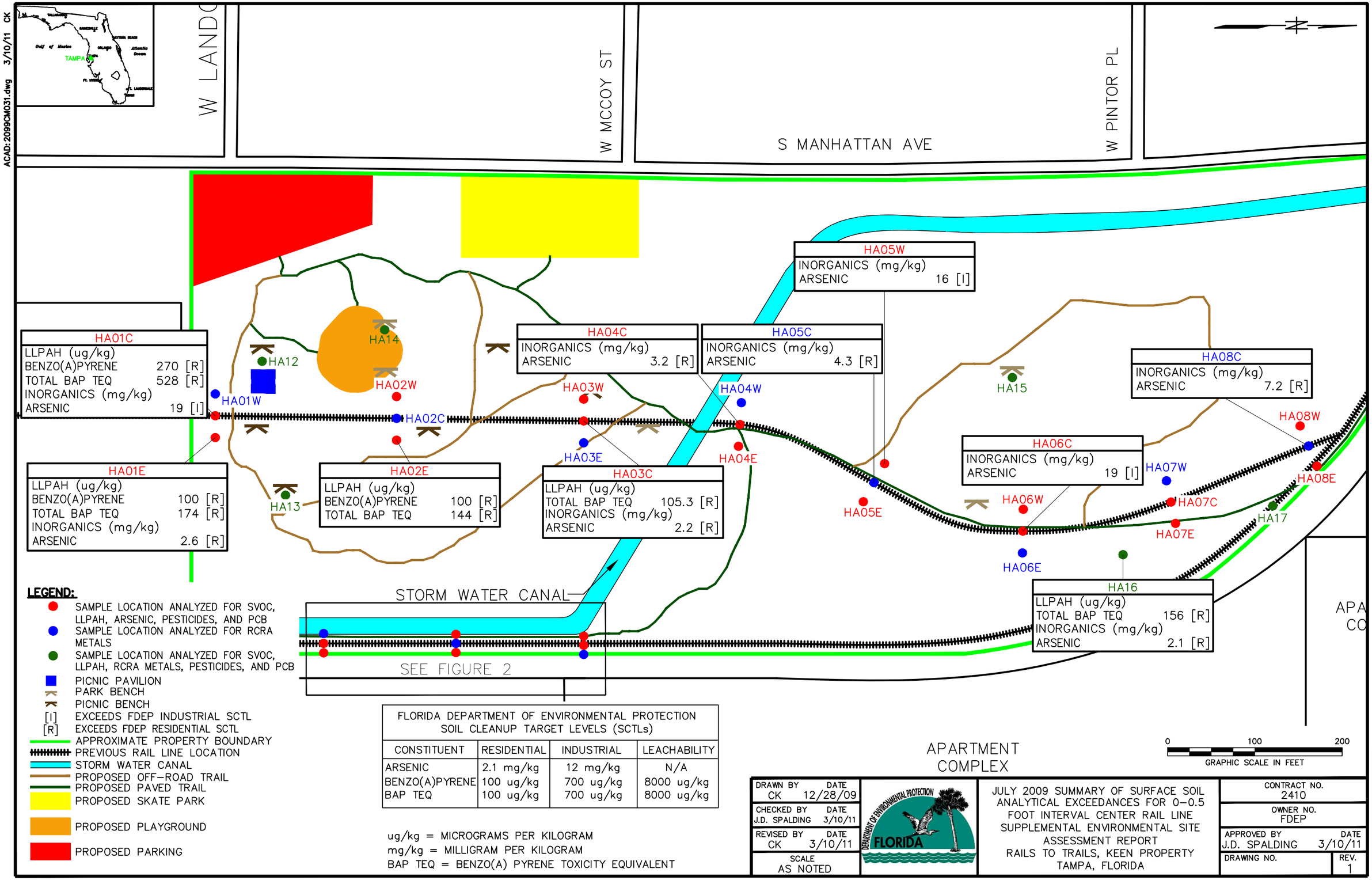


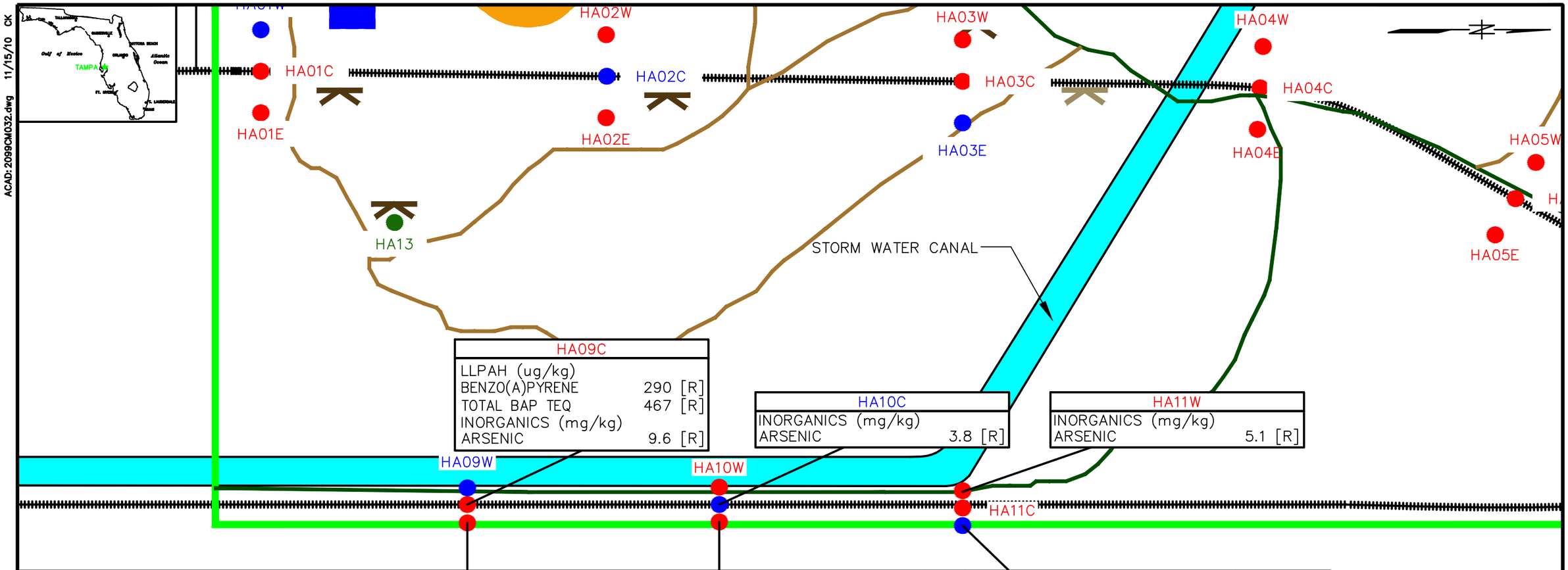
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOIL CLEANUP TARGET LEVELS (SCTLs)			
CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

DRAWN BY CK	DATE 12/28/09	JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0-0.5 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 3/10/11		OWNER NO. FDEP
REVISED BY CK	DATE 3/10/11		APPROVED BY J.D. SPALDING / DATE 3/10/11
SCALE AS NOTED			DRAWING NO. / REV. 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

ACAD: 2099CM032.dwg 11/15/10 CK



HA09C	
LLPAH (ug/kg)	
BENZO(A)PYRENE	290 [R]
TOTAL BAP TEQ	467 [R]
INORGANICS (mg/kg)	
ARSENIC	9.6 [R]

HA10C	
INORGANICS (mg/kg)	
ARSENIC	3.8 [R]

HA11W	
INORGANICS (mg/kg)	
ARSENIC	5.1 [R]

HA09E	
LLPAH (ug/kg)	
BENZO(A)PYRENE	780 [I]
BENZO(A)ANTHRACENE	1000 [L]
TOTAL BAP TEQ	1127 [I]
INORGANICS (mg/kg)	
ARSENIC	3.0 [R]

HA10E	
LLPAH (ug/kg)	
BENZO(A)PYRENE	200 [R]
TOTAL BAP TEQ	291 [R]
INORGANICS (mg/kg)	
ARSENIC	3.3 [R]

HA11E	
INORGANICS (mg/kg)	
ARSENIC	5.4 [R]

LEGEND:

- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- [I] EXCEEDS FDEP INDUSTRIAL SCTL
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- [L] EXCEEDS FDEP LEACHABILITY SCTL
- SAMPLE LOCATION ANALYZED FOR SVOC, LLPAH, ARSENIC, PESTICIDES, AND PCB
- SAMPLE LOCATION ANALYZED FOR RCRA METALS
- SAMPLE LOCATION ANALYZED FOR SVOC, LLPAH, RCRA METALS, PESTICIDES, AND PCB
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

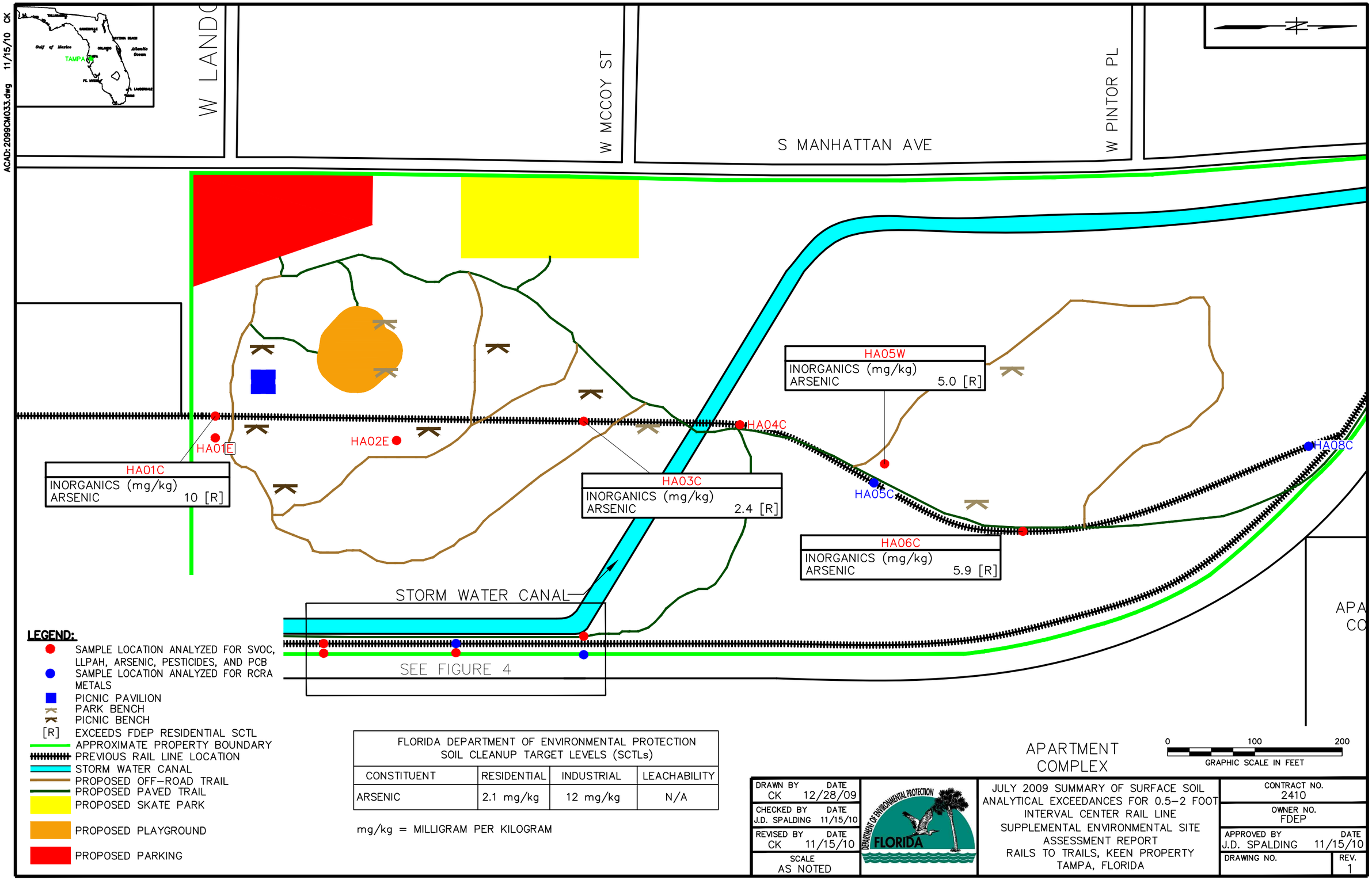
CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)ANTHRACENE	N/A	N/A	800 ug/kg
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

0 50 100
GRAPHIC SCALE IN FEET

DRAWN BY CK DATE 12/28/09	DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA	JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0–0.5 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING DATE 11/15/10			OWNER NO. FDEP
REVISED BY CK DATE 11/15/10			APPROVED BY J.D. SPALDING DATE 11/15/10
SCALE AS NOTED			DRAWING NO. / REV. 1

ACAD: 2099CM033.dwg 11/15/10 CK



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOIL CLEANUP TARGET LEVELS (SCTLs)			
CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A

mg/kg = MILLIGRAM PER KILOGRAM

DRAWN BY CK	DATE 12/28/09	JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0.5–2 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 11/15/10		OWNER NO. FDEP
REVISED BY CK	DATE 11/15/10		APPROVED BY J.D. SPALDING / DATE 11/15/10
SCALE AS NOTED			DRAWING NO. / REV. 1

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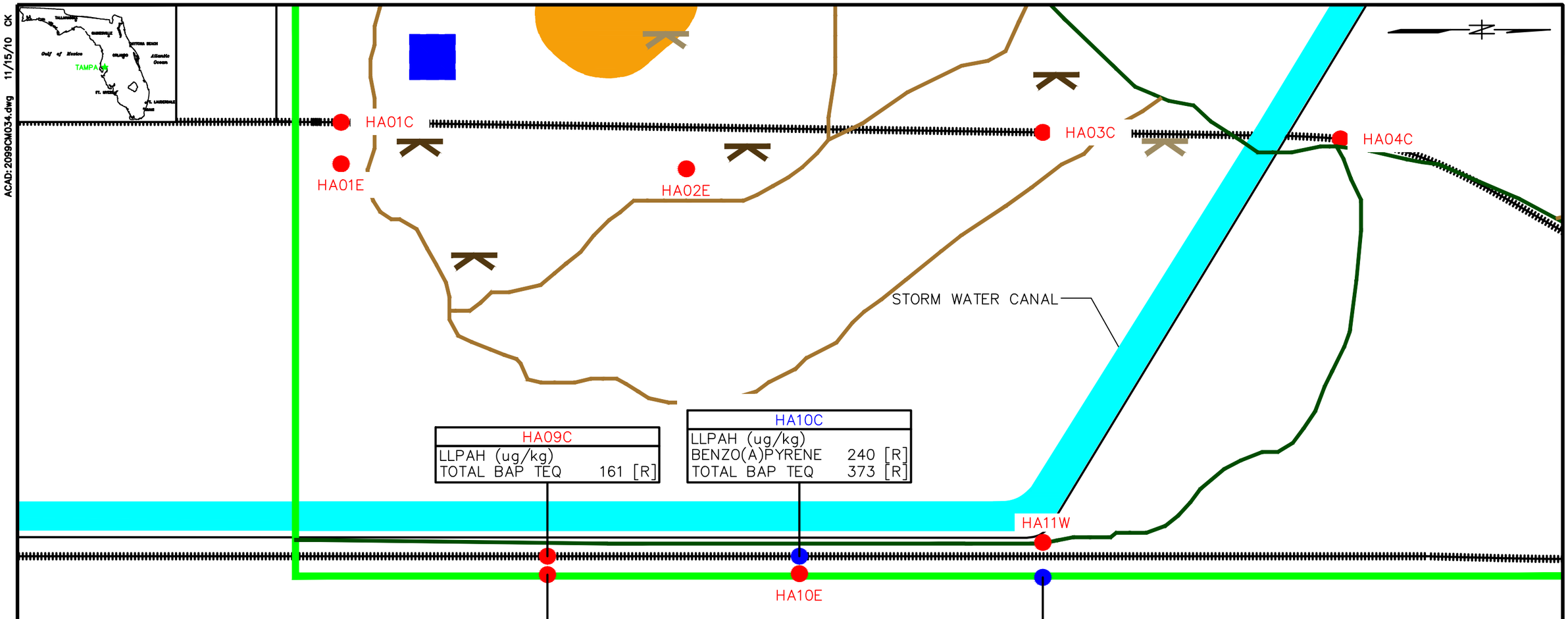


HA09C	
LLPAH (ug/kg)	
TOTAL BAP TEQ	161 [R]

HA10C	
LLPAH (ug/kg)	
BENZO(A)PYRENE	240 [R]
TOTAL BAP TEQ	373 [R]

HA09E	
LLPAH (ug/kg)	
BENZO(A)PYRENE	240 [R]
TOTAL BAP TEQ	348 [R]
INORGANICS (mg/kg)	
ARSENIC	2.3 [R]

HA11E	
INORGANICS (mg/kg)	
ARSENIC	3.7 [R]

LEGEND:

- SAMPLE LOCATION ANALYZED FOR SVOC, LLPAH, ARSENIC, PESTICIDES, AND PCB
- SAMPLE LOCATION ANALYZED FOR RCRA METALS
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

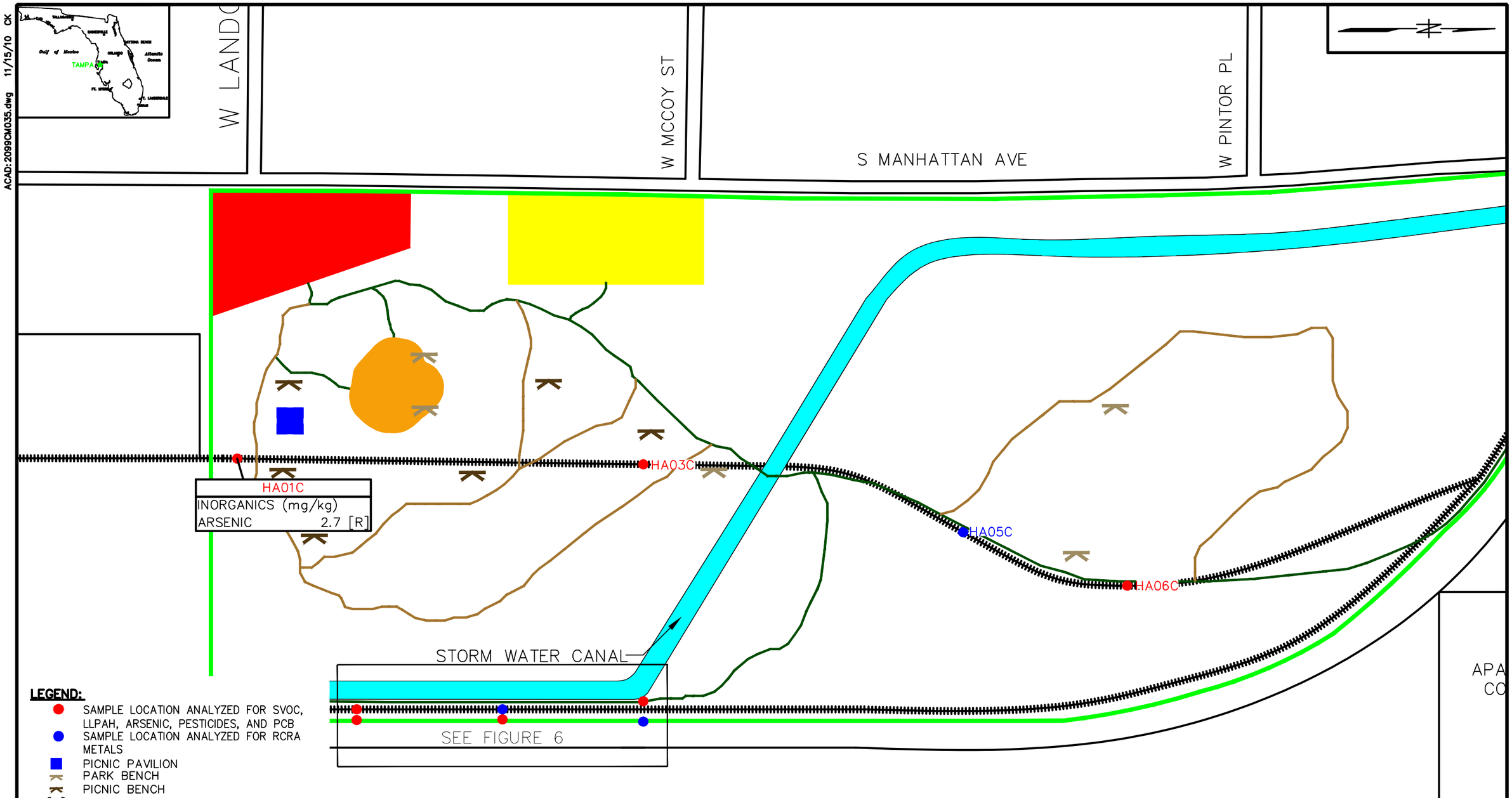
ug/kg = MICROGRAMS PER KILOGRAM
mg/kg = MILLIGRAM PER KILOGRAM
BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

0 50 100
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 12/28/09	JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 0.5–2 FOOT INTERVAL EAST RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING	DATE 11/15/10		OWNER NO. FDEP
REVISED BY CK	DATE 11/15/10		APPROVED BY J.D. SPALDING / DATE 11/15/10
SCALE AS NOTED			DRAWING NO. / REV. 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

ACAD: 2099CM035.dwg 11/15/10 CK



LEGEND:

- SAMPLE LOCATION ANALYZED FOR SVOC, LLPAH, ARSENIC, PESTICIDES, AND PCB
- SAMPLE LOCATION ANALYZED FOR RCRA METALS
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED SKATE PARK
- PROPOSED PLAYGROUND
- PROPOSED PARKING

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SOIL CLEANUP TARGET LEVELS (SCTLs)			
CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
ARSENIC	2.1 mg/kg	12 mg/kg	N/A

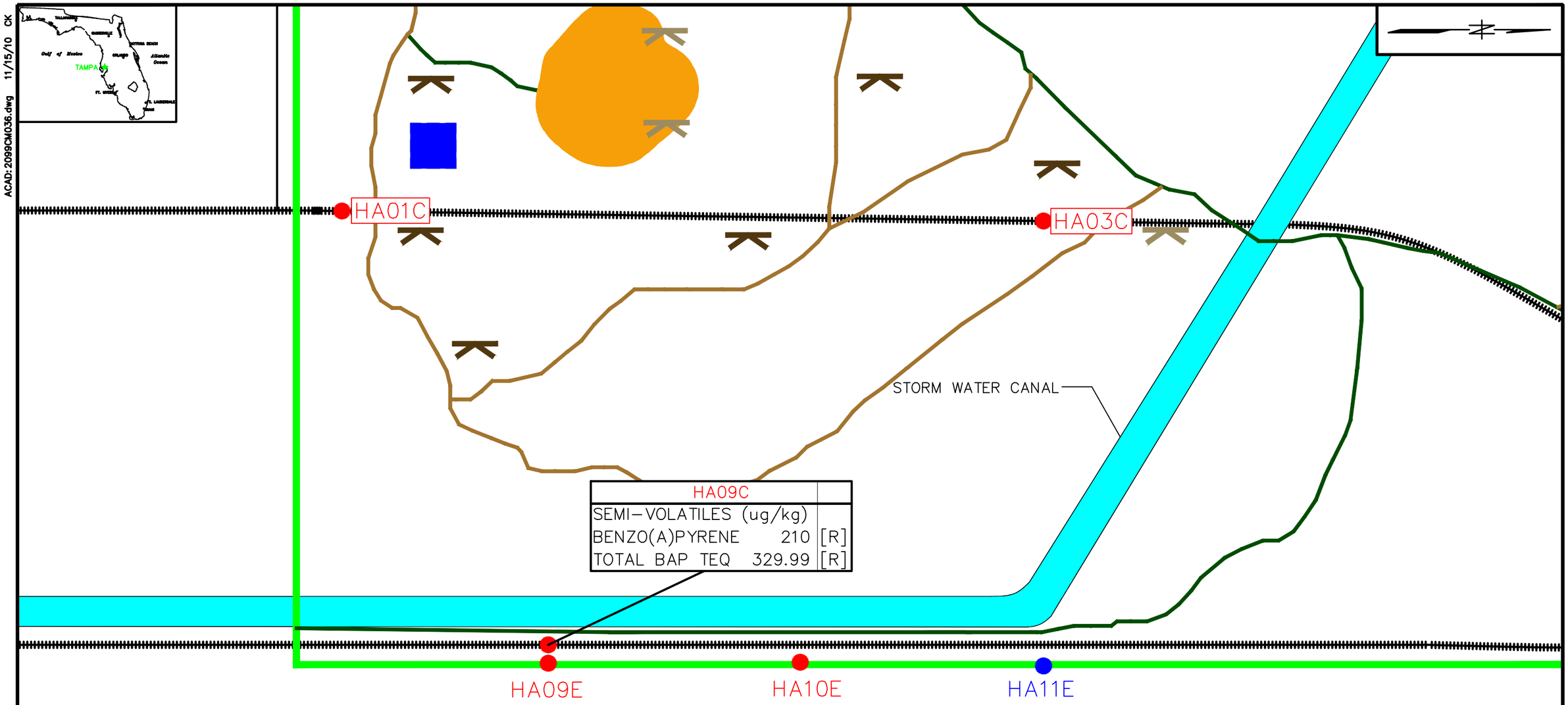
mg/kg = MILLIGRAM PER KILOGRAM

APARTMENT COMPLEX

0 100 200
GRAPHIC SCALE IN FEET

DRAWN BY CK DATE 12/28/09	DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA	JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 2-4 FOOT INTERVAL CENTER RAIL LINE SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT RAILS TO TRAILS, KEEN PROPERTY TAMPA, FLORIDA	CONTRACT NO. 2410
CHECKED BY J.D. SPALDING DATE 11/15/10			OWNER NO. FDEP
REVISED BY CK DATE 11/15/10			APPROVED BY J.D. SPALDING DATE 11/15/10
SCALE AS NOTED			DRAWING NO. / REV. 1

ACAD: 2099CM036.dwg 11/15/10 CK



LEGEND:

- SAMPLE LOCATION ANALYZED FOR SVOC, LLPAH, ARSENIC, PESTICIDES, AND PCB
- SAMPLE LOCATION ANALYZED FOR RCRA METALS
- PICNIC PAVILION
- PARK BENCH
- PICNIC BENCH
- [R] EXCEEDS FDEP RESIDENTIAL SCTL
- APPROXIMATE PROPERTY BOUNDARY
- PREVIOUS RAIL LINE LOCATION
- STORM WATER CANAL
- PROPOSED OFF-ROAD TRAIL
- PROPOSED PAVED TRAIL
- PROPOSED PLAYGROUND

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOIL CLEANUP TARGET LEVELS (SCTLs)

CONSTITUENT	RESIDENTIAL	INDUSTRIAL	LEACHABILITY
BENZO(A)PYRENE	100 ug/kg	700 ug/kg	8000 ug/kg
BAP TEQ	100 ug/kg	700 ug/kg	8000 ug/kg

ug/kg = MICROGRAMS PER KILOGRAM

BAP TEQ = BENZO(A) PYRENE TOXICITY EQUIVALENT

0 50 100
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 12/28/09
CHECKED BY J.D. SPALDING	DATE 11/15/10
REVISED BY CK	DATE 11/15/10
SCALE AS NOTED	

DEPARTMENT OF ENVIRONMENTAL PROTECTION FLORIDA

JULY 2009 SUMMARY OF SURFACE SOIL ANALYTICAL EXCEEDANCES FOR 2-4 FOOT INTERVAL EAST RAIL LINE
SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT
RAILS TO TRAILS, KEEN PROPERTY
TAMPA, FLORIDA

CONTRACT NO. 2410	
OWNER NO. FDEP	
APPROVED BY J.D. SPALDING	DATE 11/15/10
DRAWING NO.	REV. 1

ATTACHMENT 1

ANALYTICAL DATA

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/15/10

Technical Report for

Tetra Tech, NUS

Rails to Trails, FL

112C03039

Accutest Job Number: F76142

Sampling Dates: 08/23/10 - 08/26/10

Report to:

Tetra Tech, NUS

james.spalding@tetratech.com

ATTN: JD Spalding

Total number of pages in report: **184**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Accutest Laboratories

Sample Summary

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-1	08/23/10	14:15	MB	08/27/10	SO	Soil	RTKP-HA01EC-0.5-0810
F76142-2	08/23/10	14:20	MB	08/27/10	SO	Soil	RTKP-HA01EC-2.0-0810
F76142-3	08/23/10	14:25	MB	08/27/10	SO	Soil	RTKP-HA01CC-0.5-0810
F76142-4	08/23/10	14:45	MB	08/27/10	SO	Soil	RTKP-HA01EB-0.5-0810
F76142-5	08/23/10	14:50	MB	08/27/10	SO	Soil	RTKP-HA01EB-2.0-0810
F76142-6	08/23/10	15:10	MB	08/27/10	SO	Soil	RTKP-HA01EA-0.5-0810
F76142-7	08/23/10	15:15	MB	08/27/10	SO	Soil	RTKP-HA01EA-2.0-0810
F76142-8	08/23/10	15:35	MB	08/27/10	SO	Soil	RTKP-HA01CA-0.5-0810
F76142-9	08/23/10	15:40	MB	08/27/10	SO	Soil	RTKP-HA01CA-2.0-0810
F76142-10	08/23/10	16:00	MB	08/27/10	SO	Soil	RTKP-HA01W-0.5-0810
F76142-11	08/23/10	16:05	MB	08/27/10	SO	Soil	RTKP-HA01W-2.0-0810
F76142-12	08/23/10	16:10	MB	08/27/10	SO	Soil	RTKP-HA01W-4.0-0810
F76142-13	08/24/10	09:00	MB	08/27/10	SO	Soil	RTKP-HA02EC-0.5-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-14	08/24/10	09:05	MB	08/27/10	SO	Soil	RTKP-HA02EC-2.0-0810
F76142-15	08/24/10	09:10	MB	08/27/10	SO	Soil	RTKP-HA02EB-0.5-0810
F76142-16	08/24/10	09:15	MB	08/27/10	SO	Soil	RTKP-HA02EB-2.0-0810
F76142-17	08/24/10	09:20	MB	08/27/10	SO	Soil	RTKP-HA02EA-0.5-0810
F76142-18	08/24/10	09:25	MB	08/27/10	SO	Soil	RTKP-HA02EA-2.0-0810
F76142-19	08/24/10	09:30	MB	08/27/10	SO	Soil	RTKP-HA02C-0.5-0810
F76142-20	08/24/10	09:35	MB	08/27/10	SO	Soil	RTKP-HA02C-2.0-0810
F76142-21	08/24/10	09:40	MB	08/27/10	SO	Soil	RTKP-HA03CC-0.5-0810
F76142-22	08/24/10	09:45	MB	08/27/10	SO	Soil	RTKP-HA03CC-2.0-0810
F76142-23	08/24/10	09:50	MB	08/27/10	SO	Soil	RTKP-HA03E-0.5-0810
F76142-24	08/24/10	09:55	MB	08/27/10	SO	Soil	RTKP-HA03E-2.0-0810
F76142-25	08/24/10	10:00	MB	08/27/10	SO	Soil	RTKP-HA03CA-0.5-0810
F76142-26	08/24/10	10:05	MB	08/27/10	SO	Soil	RTKP-HA03CA-2.0-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-27	08/24/10	10:15	MB	08/27/10	SO	Soil	RTKP-HA04CC-0.5-0810
F76142-28	08/24/10	10:20	MB	08/27/10	SO	Soil	RTKP-HA04CC-2.0-0810
F76142-29	08/24/10	10:25	MB	08/27/10	SO	Soil	RTKP-HA04CA-0.5-0810
F76142-30	08/24/10	10:30	MB	08/27/10	SO	Soil	RTKP-HA04CA-2.0-0810
F76142-31	08/24/10	11:30	MB	08/27/10	SO	Soil	RTKP-HA05CC-0.5-0810
F76142-32	08/24/10	11:35	MB	08/27/10	SO	Soil	RTKP-HA05CC-2.0-0810
F76142-33	08/24/10	11:40	MB	08/27/10	SO	Soil	RTKP-HA05CA-0.5-0810
F76142-34	08/24/10	11:45	MB	08/27/10	SO	Soil	RTKP-HA05CA-2.0-0810
F76142-35	08/24/10	11:50	MB	08/27/10	SO	Soil	RTKP-HA05WC-0.5-0810
F76142-36	08/24/10	11:55	MB	08/27/10	SO	Soil	RTKP-HA05WC-2.0-0810
F76142-37	08/24/10	12:00	MB	08/27/10	SO	Soil	RTKP-HA05WD-0.5-0810
F76142-38	08/24/10	12:05	MB	08/27/10	SO	Soil	RTKP-HA05WD-2.0-0810
F76142-39	08/24/10	12:10	MB	08/27/10	SO	Soil	RTKP-HA05WA-0.5-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-40	08/24/10	13:10	MB	08/27/10	SO	Soil	RTKP-HA06CC-0.5-0810
F76142-41	08/24/10	13:15	MB	08/27/10	SO	Soil	RTKP-HA06CC-2.0-0810
F76142-42	08/24/10	13:20	MB	08/27/10	SO	Soil	RTKP-HA06CA-0.5-0810
F76142-43	08/24/10	13:25	MB	08/27/10	SO	Soil	RTKP-HA06CA-2.0-0810
F76142-44	08/24/10	13:45	MB	08/27/10	SO	Soil	RTKP-HA08CC-0.5-0810
F76142-45	08/24/10	13:50	MB	08/27/10	SO	Soil	RTKP-HA08CC-2.0-0810
F76142-46	08/24/10	13:55	MB	08/27/10	SO	Soil	RTKP-HA08CA-0.5-0810
F76142-47	08/24/10	14:00	MB	08/27/10	SO	Soil	RTKP-HA08CA-2.0-0810
F76142-48	08/24/10	14:05	MB	08/27/10	SO	Soil	RTKP-HA16D-0.5-0810
F76142-49	08/24/10	14:10	MB	08/27/10	SO	Soil	RTKP-HA16D-2.0-0810
F76142-50	08/24/10	14:35	MB	08/27/10	SO	Soil	RTKP-HA16C-0.5-0810
F76142-51	08/25/10	08:15	MB	08/27/10	SO	Soil	RTKP-HA09EC-0.5-0810
F76142-52	08/25/10	08:20	MB	08/27/10	SO	Soil	RTKP-HA09EC-2.0-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-53	08/25/10	08:25	MB	08/27/10	SO	Soil	RTKP-HA09EB-0.5-0810
F76142-54	08/25/10	08:30	MB	08/27/10	SO	Soil	RTKP-HA09EB-2.0-0810
F76142-55	08/25/10	08:35	MB	08/27/10	SO	Soil	RTKP-HA09EA-0.5-0810
F76142-56	08/25/10	08:40	MB	08/27/10	SO	Soil	RTKP-HA09EA-2.0-0810
F76142-57	08/25/10	08:45	MB	08/27/10	SO	Soil	RTKP-HA09W-0.5-0810
F76142-57D	08/25/10	08:45	MB	08/27/10	SO	Soil Dup/MSD	RTKP-HA09W-0.5-0810
F76142-57S	08/25/10	08:45	MB	08/27/10	SO	Soil Matrix Spike	RTKP-HA09W-0.5-0810
F76142-58	08/25/10	08:50	MB	08/27/10	SO	Soil	RTKP-HA09W-2.0-0810
F76142-59	08/25/10	08:55	MB	08/27/10	SO	Soil	RTKP-HA19-0.5-0810
F76142-60	08/25/10	09:00	MB	08/27/10	SO	Soil	RTKP-HA19-2.0-0810
F76142-61	08/25/10	00:00	MB	08/27/10	SO	Soil	RTKP-FD01-0810
F76142-63	08/25/10	10:00	MB	08/27/10	SO	Soil	RTKP-HA10EC-0.5-0810
F76142-64	08/25/10	10:05	MB	08/27/10	SO	Soil	RTKP-HA10EC-0.5-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-65	08/25/10	10:10	MB	08/27/10	SO	Soil	RTKP-HA10EB-0.5-0810
F76142-66	08/25/10	10:15	MB	08/27/10	SO	Soil	RTKP-HA10EB-2.0-0810
F76142-67	08/25/10	10:20	MB	08/27/10	SO	Soil	RTKP-HA10EA-0.5-0810
F76142-68	08/25/10	10:25	MB	08/27/10	SO	Soil	RTKP-HA10EA-2.0-0810
F76142-69	08/25/10	10:30	MB	08/27/10	SO	Soil	RTKP-HA10C-0.5-0810
F76142-70	08/25/10	10:35	MB	08/27/10	SO	Soil	RTKP-HA10C-2.0-0810
F76142-71	08/25/10	11:10	MB	08/27/10	SO	Soil	RTKP-HA11EC-0.5-0810
F76142-72	08/25/10	11:15	MB	08/27/10	SO	Soil	RTKP-HA11EC-2.0-0810
F76142-73	08/25/10	11:20	MB	08/27/10	SO	Soil	RTKP-HA11EB-0.5-0810
F76142-74	08/25/10	11:25	MB	08/27/10	SO	Soil	RTKP-HA11EB-2.0-0810
F76142-75	08/25/10	11:30	MB	08/27/10	SO	Soil	RTKP-HA11EA-0.5-0810
F76142-76	08/25/10	11:35	MB	08/27/10	SO	Soil	RTKP-HA11EA-2.0-0810
F76142-77	08/25/10	11:40	MB	08/27/10	SO	Soil	RTKP-HA11WC-0.5-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-78	08/25/10	11:45	MB	08/27/10	SO	Soil	RTKP-HA11WC-2.0-0810
F76142-79	08/25/10	11:50	MB	08/27/10	SO	Soil	RTKP-HA11WA-0.5-0810
F76142-80	08/25/10	11:55	MB	08/27/10	SO	Soil	RTKP-HA11WA-2.0-0810
F76142-81	08/25/10	14:30	MB	08/27/10	SO	Soil	RTKP-HA18-0.5-0810
F76142-82	08/25/10	14:35	MB	08/27/10	SO	Soil	RTKP-HA18-4.0-0810
F76142-83	08/25/10	14:40	MB	08/27/10	SO	Soil	RTKP-HA18-4.0-0810
F76142-84	08/26/10	08:20	MB	08/27/10	AQ	Ground Water	RTKP-MW01-0810
F76142-85	08/26/10	11:15	MB	08/27/10	AQ	Ground Water	RTKP-MW02-0810
F76142-86	08/26/10	14:30	MB	08/27/10	AQ	Ground Water	RTKP-MW03-0810
F76142-87	08/26/10	14:00	MB	08/27/10	AQ	Ground Water	RTKP-MW05-0810
F76142-88	08/26/10	00:00	MB	08/27/10	AQ	Ground Water	RTKP-MW04-0810D
F76142-89	08/26/10	15:01	MB	08/27/10	AQ	Ground Water	RTKP-MW04-0810
F76142-90	08/23/10	17:00	MB	08/27/10	AQ	Equipment Blank	RB-8-23-10

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-91	08/24/10	17:00	MB	08/27/10	AQ	Equipment Blank	RB-8-24-10
F76142-92	08/25/10	17:00	MB	08/27/10	AQ	Equipment Blank	RB-8-25-10
F76142-93	08/24/10	14:15	MB	08/27/10	SO	Soil	RTKP-HA16A-0.5-0810
F76142-94	08/24/10	14:20	MB	08/27/10	SO	Soil	RTKP-HA16A-2.0-0810
F76142-95	08/24/10	14:25	MB	08/27/10	SO	Soil	RTKP-HA16B-0.5-0810
F76142-96	08/24/10	14:30	MB	08/27/10	SO	Soil	RTKP-HA16B-2.0-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EC-0.5-0810		
Lab Sample ID:	F76142-1	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054126.D	4	09/02/10	RB	08/30/10	OP34169	SW2710
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	84 U	330	84	ug/kg	
208-96-8	Acenaphthylene	84 U	330	84	ug/kg	
120-12-7	Anthracene	113	330	42	ug/kg	I
56-55-3	Benzo(a)anthracene	102	33	17	ug/kg	
50-32-8	Benzo(a)pyrene	82.8	33	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	228	33	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	51.8	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	70.7	33	17	ug/kg	
218-01-9	Chrysene	135	33	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17.8	33	17	ug/kg	I
206-44-0	Fluoranthene	131	330	42	ug/kg	I
86-73-7	Fluorene	84 U	330	84	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	61.0	33	17	ug/kg	
90-12-0	1-Methylnaphthalene	42 U	330	42	ug/kg	
91-57-6	2-Methylnaphthalene	42 U	330	42	ug/kg	
91-20-3	Naphthalene	42 U	330	42	ug/kg	
85-01-8	Phenanthrene	42 U	330	42	ug/kg	
129-00-0	Pyrene	162	330	42	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		40-105%
321-60-8	2-Fluorobiphenyl	67%		43-107%
1718-51-0	Terphenyl-d14	78%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EC-0.5-0810		
Lab Sample ID:	F76142-1	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.48	0.096	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EC-2.0-0810		
Lab Sample ID:	F76142-2	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	78.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CC-0.5-0810		
Lab Sample ID:	F76142-3	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	77.2
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054127.D	4	09/02/10	RB	08/30/10	OP34169	SW2710
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	86 U	350	86	ug/kg	
208-96-8	Acenaphthylene	239	350	86	ug/kg	I
120-12-7	Anthracene	189	350	43	ug/kg	I
56-55-3	Benzo(a)anthracene	217	35	17	ug/kg	
50-32-8	Benzo(a)pyrene	291	35	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	573	35	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	389	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	193	35	17	ug/kg	
218-01-9	Chrysene	306	35	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	67.7	35	17	ug/kg	
206-44-0	Fluoranthene	257	350	43	ug/kg	I
86-73-7	Fluorene	86 U	350	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	340	35	17	ug/kg	
90-12-0	1-Methylnaphthalene	43 U	350	43	ug/kg	
91-57-6	2-Methylnaphthalene	43 U	350	43	ug/kg	
91-20-3	Naphthalene	43 U	350	43	ug/kg	
85-01-8	Phenanthrene	43 U	350	43	ug/kg	
129-00-0	Pyrene	286	350	43	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		40-105%
321-60-8	2-Fluorobiphenyl	75%		43-107%
1718-51-0	Terphenyl-d14	80%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CC-0.5-0810		
Lab Sample ID:	F76142-3	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	77.2
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.2	0.44	0.088	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EB-0.5-0810		
Lab Sample ID:	F76142-4	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.9
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054128.D	4	09/02/10	RB	08/30/10	OP34169	SW2710
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	83 U	330	83	ug/kg	
208-96-8	Acenaphthylene	83 U	330	83	ug/kg	
120-12-7	Anthracene	42 U	330	42	ug/kg	
56-55-3	Benzo(a)anthracene	48.6	33	17	ug/kg	
50-32-8	Benzo(a)pyrene	56.4	33	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	81.6	33	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	41.1	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	25.4	33	17	ug/kg	I
218-01-9	Chrysene	60.1	33	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	33	17	ug/kg	
206-44-0	Fluoranthene	86.8	330	42	ug/kg	I
86-73-7	Fluorene	83 U	330	83	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	41.1	33	17	ug/kg	
90-12-0	1-Methylnaphthalene	42 U	330	42	ug/kg	
91-57-6	2-Methylnaphthalene	42 U	330	42	ug/kg	
91-20-3	Naphthalene	42 U	330	42	ug/kg	
85-01-8	Phenanthrene	42 U	330	42	ug/kg	
129-00-0	Pyrene	92.6	330	42	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		40-105%
321-60-8	2-Fluorobiphenyl	67%		43-107%
1718-51-0	Terphenyl-d14	77%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EB-0.5-0810		
Lab Sample ID:	F76142-4	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.24 I	0.62	0.12	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EB-2.0-0810		
Lab Sample ID:	F76142-5	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	80.6
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	80.6		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EA-0.5-0810		
Lab Sample ID:	F76142-6	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	77.2
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054169.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	86 U	340	86	ug/kg	
208-96-8	Acenaphthylene	86 U	340	86	ug/kg	
120-12-7	Anthracene	43 U	340	43	ug/kg	
56-55-3	Benzo(a)anthracene	17 U	34	17	ug/kg	
50-32-8	Benzo(a)pyrene	17 U	34	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	17 U	34	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	17 U	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	17 U	34	17	ug/kg	
218-01-9	Chrysene	17 U	34	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	34	17	ug/kg	
206-44-0	Fluoranthene	43 U	340	43	ug/kg	
86-73-7	Fluorene	86 U	340	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	17 U	34	17	ug/kg	
90-12-0	1-Methylnaphthalene	43 U	340	43	ug/kg	
91-57-6	2-Methylnaphthalene	43 U	340	43	ug/kg	
91-20-3	Naphthalene	43 U	340	43	ug/kg	
85-01-8	Phenanthrene	43 U	340	43	ug/kg	
129-00-0	Pyrene	43 U	340	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		40-105%
321-60-8	2-Fluorobiphenyl	80%		43-107%
1718-51-0	Terphenyl-d14	96%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EA-0.5-0810		
Lab Sample ID:	F76142-6	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	77.2
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.2	0.61	0.12	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EA-2.0-0810		
Lab Sample ID:	F76142-7	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	77.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	77.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CA-0.5-0810		
Lab Sample ID:	F76142-8	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	75.1
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054170.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	89 U	360	89	ug/kg	
208-96-8	Acenaphthylene	566	360	89	ug/kg	
120-12-7	Anthracene	729	360	44	ug/kg	
56-55-3	Benzo(a)anthracene	983	36	18	ug/kg	
50-32-8	Benzo(a)pyrene	774	36	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	2850	36	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	680	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	962	36	18	ug/kg	
218-01-9	Chrysene	1590	36	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	225	36	18	ug/kg	
206-44-0	Fluoranthene	1260	360	44	ug/kg	
86-73-7	Fluorene	89 U	360	89	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	944	36	18	ug/kg	
90-12-0	1-Methylnaphthalene	44 U	360	44	ug/kg	
91-57-6	2-Methylnaphthalene	44 U	360	44	ug/kg	
91-20-3	Naphthalene	44 U	360	44	ug/kg	
85-01-8	Phenanthrene	74.8	360	44	ug/kg	I
129-00-0	Pyrene	1930	360	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		40-105%
321-60-8	2-Fluorobiphenyl	84%		43-107%
1718-51-0	Terphenyl-d14	91%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CA-0.5-0810		
Lab Sample ID:	F76142-8	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	75.1
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	25.7	0.66	0.13	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CA-2.0-0810		
Lab Sample ID:	F76142-9	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.6
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	72.6		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01W-0.5-0810		
Lab Sample ID:	F76142-10	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.3
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054171.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	78 U	310	78	ug/kg	
208-96-8	Acenaphthylene	78 U	310	78	ug/kg	
120-12-7	Anthracene	39 U	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	16 U	31	16	ug/kg	
50-32-8	Benzo(a)pyrene	20.1	31	16	ug/kg	I
205-99-2	Benzo(b)fluoranthene	31.9	31	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	16 U	31	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	16 U	31	16	ug/kg	
218-01-9	Chrysene	23.6	31	16	ug/kg	I
53-70-3	Dibenzo(a,h)anthracene	16 U	31	16	ug/kg	
206-44-0	Fluoranthene	39 U	310	39	ug/kg	
86-73-7	Fluorene	78 U	310	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	16.4	31	16	ug/kg	I
90-12-0	1-Methylnaphthalene	39 U	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	39 U	310	39	ug/kg	
91-20-3	Naphthalene	39 U	310	39	ug/kg	
85-01-8	Phenanthrene	39 U	310	39	ug/kg	
129-00-0	Pyrene	39 U	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		40-105%
321-60-8	2-Fluorobiphenyl	91%		43-107%
1718-51-0	Terphenyl-d14	102%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01W-2.0-0810		
Lab Sample ID:	F76142-11	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	79.2
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	79.2		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01W-4.0-0810		
Lab Sample ID:	F76142-12	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	79.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	79.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EC-0.5-0810		
Lab Sample ID:	F76142-13	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.9
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054172.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	76 U	300	76	ug/kg	
208-96-8	Acenaphthylene	76 U	300	76	ug/kg	
120-12-7	Anthracene	38 U	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	43.5	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	61.3	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	88.8	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	50.0	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	24.3	30	15	ug/kg	I
218-01-9	Chrysene	55.6	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	78.1	300	38	ug/kg	I
86-73-7	Fluorene	76 U	300	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	50.3	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	300	38	ug/kg	
91-20-3	Naphthalene	38 U	300	38	ug/kg	
85-01-8	Phenanthrene	38 U	300	38	ug/kg	
129-00-0	Pyrene	75.9	300	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		40-105%
321-60-8	2-Fluorobiphenyl	62%		43-107%
1718-51-0	Terphenyl-d14	75%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EC-2.0-0810		
Lab Sample ID:	F76142-14	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	70.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	70.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EB-0.5-0810		
Lab Sample ID:	F76142-15	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.8
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054173.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	74 U	290	74	ug/kg	
208-96-8	Acenaphthylene	74 U	290	74	ug/kg	
120-12-7	Anthracene	37 U	290	37	ug/kg	
56-55-3	Benzo(a)anthracene	67.3	29	15	ug/kg	
50-32-8	Benzo(a)pyrene	71.2	29	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	95.9	29	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	51.3	29	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	27.7	29	15	ug/kg	I
218-01-9	Chrysene	74.2	29	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	29	15	ug/kg	
206-44-0	Fluoranthene	146	290	37	ug/kg	I
86-73-7	Fluorene	74 U	290	74	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	50.7	29	15	ug/kg	
90-12-0	1-Methylnaphthalene	37 U	290	37	ug/kg	
91-57-6	2-Methylnaphthalene	37 U	290	37	ug/kg	
91-20-3	Naphthalene	37 U	290	37	ug/kg	
85-01-8	Phenanthrene	58.4	290	37	ug/kg	I
129-00-0	Pyrene	122	290	37	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		40-105%
321-60-8	2-Fluorobiphenyl	72%		43-107%
1718-51-0	Terphenyl-d14	86%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EB-2.0-0810		
Lab Sample ID:	F76142-16	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.9
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	88.9		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EA-0.5-0810		
Lab Sample ID:	F76142-17	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.5
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054174.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	78 U	310	78	ug/kg	
208-96-8	Acenaphthylene	78 U	310	78	ug/kg	
120-12-7	Anthracene	39 U	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	26.3	31	16	ug/kg	I
50-32-8	Benzo(a)pyrene	28.9	31	16	ug/kg	I
205-99-2	Benzo(b)fluoranthene	44.0	31	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22.5	31	16	ug/kg	I
207-08-9	Benzo(k)fluoranthene	16 U	31	16	ug/kg	
218-01-9	Chrysene	30.8	31	16	ug/kg	I
53-70-3	Dibenzo(a,h)anthracene	16 U	31	16	ug/kg	
206-44-0	Fluoranthene	62.7	310	39	ug/kg	I
86-73-7	Fluorene	78 U	310	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	22.6	31	16	ug/kg	I
90-12-0	1-Methylnaphthalene	39 U	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	39 U	310	39	ug/kg	
91-20-3	Naphthalene	39 U	310	39	ug/kg	
85-01-8	Phenanthrene	39 U	310	39	ug/kg	
129-00-0	Pyrene	48.6	310	39	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		40-105%
321-60-8	2-Fluorobiphenyl	66%		43-107%
1718-51-0	Terphenyl-d14	81%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EA-2.0-0810		
Lab Sample ID:	F76142-18	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	90.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	90.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02C-0.5-0810		
Lab Sample ID:	F76142-19	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	73.1
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054175.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	91 U	360	91	ug/kg	
208-96-8	Acenaphthylene	91 U	360	91	ug/kg	
120-12-7	Anthracene	45 U	360	45	ug/kg	
56-55-3	Benzo(a)anthracene	28.5	36	18	ug/kg	I
50-32-8	Benzo(a)pyrene	37.0	36	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	54.7	36	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	32.0	36	18	ug/kg	I
207-08-9	Benzo(k)fluoranthene	18 U	36	18	ug/kg	
218-01-9	Chrysene	39.0	36	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18 U	36	18	ug/kg	
206-44-0	Fluoranthene	45.8	360	45	ug/kg	I
86-73-7	Fluorene	91 U	360	91	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	30.6	36	18	ug/kg	I
90-12-0	1-Methylnaphthalene	45 U	360	45	ug/kg	
91-57-6	2-Methylnaphthalene	45 U	360	45	ug/kg	
91-20-3	Naphthalene	45 U	360	45	ug/kg	
85-01-8	Phenanthrene	45 U	360	45	ug/kg	
129-00-0	Pyrene	52.1	360	45	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		40-105%
321-60-8	2-Fluorobiphenyl	69%		43-107%
1718-51-0	Terphenyl-d14	84%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02C-2.0-0810		
Lab Sample ID:	F76142-20	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	82.6
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	82.6		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CC-0.5-0810		
Lab Sample ID:	F76142-21	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	73.5
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054176.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	92 U	370	92	ug/kg	
208-96-8	Acenaphthylene	92 U	370	92	ug/kg	
120-12-7	Anthracene	46 U	370	46	ug/kg	
56-55-3	Benzo(a)anthracene	42.0	37	18	ug/kg	
50-32-8	Benzo(a)pyrene	50.2	37	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	71.7	37	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	37.0	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	21.4	37	18	ug/kg	I
218-01-9	Chrysene	55.2	37	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18 U	37	18	ug/kg	
206-44-0	Fluoranthene	74.7	370	46	ug/kg	I
86-73-7	Fluorene	92 U	370	92	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	36.2	37	18	ug/kg	I
90-12-0	1-Methylnaphthalene	46 U	370	46	ug/kg	
91-57-6	2-Methylnaphthalene	46 U	370	46	ug/kg	
91-20-3	Naphthalene	46 U	370	46	ug/kg	
85-01-8	Phenanthrene	46 U	370	46	ug/kg	
129-00-0	Pyrene	75.7	370	46	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		40-105%
321-60-8	2-Fluorobiphenyl	74%		43-107%
1718-51-0	Terphenyl-d14	83%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CC-0.5-0810		
Lab Sample ID:	F76142-21	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	73.5
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.12 U	0.61	0.12	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CC-2.0-0810		
Lab Sample ID:	F76142-22	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	83.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	83.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03E-0.5-0810		
Lab Sample ID:	F76142-23	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.3
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054177.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	77 U	310	77	ug/kg	
208-96-8	Acenaphthylene	77 U	310	77	ug/kg	
120-12-7	Anthracene	38 U	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	79.6	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	93.9	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	127	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	78.5	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	39.3	31	15	ug/kg	
218-01-9	Chrysene	97.3	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15.8	31	15	ug/kg	I
206-44-0	Fluoranthene	128	310	38	ug/kg	I
86-73-7	Fluorene	77 U	310	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	72.8	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	310	38	ug/kg	
91-20-3	Naphthalene	38 U	310	38	ug/kg	
85-01-8	Phenanthrene	53.9	310	38	ug/kg	I
129-00-0	Pyrene	143	310	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		40-105%
321-60-8	2-Fluorobiphenyl	82%		43-107%
1718-51-0	Terphenyl-d14	92%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03E-2.0-0810		
Lab Sample ID:	F76142-24	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.0
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	88		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CA-0.5-0810		
Lab Sample ID:	F76142-25	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.8
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054178.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	76 U	310	76	ug/kg	
208-96-8	Acenaphthylene	76 U	310	76	ug/kg	
120-12-7	Anthracene	38 U	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	109	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	132	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	173	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	94.6	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	54.1	31	15	ug/kg	
218-01-9	Chrysene	125	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	19.2	31	15	ug/kg	I
206-44-0	Fluoranthene	169	310	38	ug/kg	I
86-73-7	Fluorene	76 U	310	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	92.2	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	310	38	ug/kg	
91-20-3	Naphthalene	38 U	310	38	ug/kg	
85-01-8	Phenanthrene	47.5	310	38	ug/kg	I
129-00-0	Pyrene	176	310	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		40-105%
321-60-8	2-Fluorobiphenyl	81%		43-107%
1718-51-0	Terphenyl-d14	86%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CA-0.5-0810		
Lab Sample ID:	F76142-25	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.20 I	0.40	0.080	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CA-2.0-0810		
Lab Sample ID:	F76142-26	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	87.0
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	87		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA04CC-0.5-0810		
Lab Sample ID:	F76142-27	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	87.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.6	0.43	0.087	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA04CC-2.0-0810		
Lab Sample ID:	F76142-28	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA04CA-0.5-0810		
Lab Sample ID:	F76142-29	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	92.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.15 I	0.48	0.096	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA04CA-2.0-0810		
Lab Sample ID:	F76142-30	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.3
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	74.3		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05CC-0.5-0810		
Lab Sample ID:	F76142-31	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	84.4
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.0	0.42	0.085	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05CC-2.0-0810		
Lab Sample ID:	F76142-32	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.9
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.9		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05CA-0.5-0810		
Lab Sample ID:	F76142-33	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	73.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.93	0.63	0.13	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05CA-2.0-0810		
Lab Sample ID:	F76142-34	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	65.1
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	65.1		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05WC-0.5-0810		
Lab Sample ID:	F76142-35	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	82.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.12 U	0.60	0.12	mg/kg	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05WC-2.0-0810		
Lab Sample ID:	F76142-36	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	81.1
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	81.1		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05WD-0.5-0810		
Lab Sample ID:	F76142-37	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.5
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.57	0.54	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05WD-2.0-0810		
Lab Sample ID:	F76142-38	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	73.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	73.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05WA-0.5-0810		
Lab Sample ID:	F76142-39	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.6	0.44	0.087	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA06CC-0.5-0810		
Lab Sample ID:	F76142-40	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	56.8	0.53	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA06CC-2.0-0810		
Lab Sample ID:	F76142-41	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	70.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	70.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA06CA-0.5-0810		
Lab Sample ID:	F76142-42	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	84.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.47	0.094	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA06CA-2.0-0810		
Lab Sample ID:	F76142-43	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.3
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.3		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CC-0.5-0810		
Lab Sample ID:	F76142-44	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.3
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054179.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	73 U	290	73	ug/kg	
208-96-8	Acenaphthylene	73 U	290	73	ug/kg	
120-12-7	Anthracene	37 U	290	37	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	29	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	29	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15.1	29	15	ug/kg	I
191-24-2	Benzo(g,h,i)perylene	15 U	29	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	29	15	ug/kg	
218-01-9	Chrysene	15 U	29	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	29	15	ug/kg	
206-44-0	Fluoranthene	37 U	290	37	ug/kg	
86-73-7	Fluorene	73 U	290	73	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	29	15	ug/kg	
90-12-0	1-Methylnaphthalene	37 U	290	37	ug/kg	
91-57-6	2-Methylnaphthalene	37 U	290	37	ug/kg	
91-20-3	Naphthalene	37 U	290	37	ug/kg	
85-01-8	Phenanthrene	37 U	290	37	ug/kg	
129-00-0	Pyrene	37 U	290	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		40-105%
321-60-8	2-Fluorobiphenyl	77%		43-107%
1718-51-0	Terphenyl-d14	84%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CC-0.5-0810		
Lab Sample ID:	F76142-44	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	90.3
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.32 I	0.53	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CC-2.0-0810		
Lab Sample ID:	F76142-45	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	87.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	87.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CA-0.5-0810		
Lab Sample ID:	F76142-46	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.4
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054180.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	76 U	310	76	ug/kg	
208-96-8	Acenaphthylene	76 U	310	76	ug/kg	
120-12-7	Anthracene	38 U	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	31	15	ug/kg	
218-01-9	Chrysene	15 U	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	31	15	ug/kg	
206-44-0	Fluoranthene	38 U	310	38	ug/kg	
86-73-7	Fluorene	76 U	310	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	310	38	ug/kg	
91-20-3	Naphthalene	38 U	310	38	ug/kg	
85-01-8	Phenanthrene	38 U	310	38	ug/kg	
129-00-0	Pyrene	38 U	310	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		40-105%
321-60-8	2-Fluorobiphenyl	73%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CA-0.5-0810		
Lab Sample ID:	F76142-46	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	86.4
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.32 I	0.51	0.10	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA08CA-2.0-0810		
Lab Sample ID:	F76142-47	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.1
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	72.1		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16D-0.5-0810		
Lab Sample ID:	F76142-48	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054181.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	76 U	300	76	ug/kg	
208-96-8	Acenaphthylene	76 U	300	76	ug/kg	
120-12-7	Anthracene	38 U	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	30	15	ug/kg	
218-01-9	Chrysene	15 U	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	38 U	300	38	ug/kg	
86-73-7	Fluorene	76 U	300	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	300	38	ug/kg	
91-20-3	Naphthalene	38 U	300	38	ug/kg	
85-01-8	Phenanthrene	38 U	300	38	ug/kg	
129-00-0	Pyrene	38 U	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		40-105%
321-60-8	2-Fluorobiphenyl	70%		43-107%
1718-51-0	Terphenyl-d14	82%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16D-0.5-0810		
Lab Sample ID:	F76142-48	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	86.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.20 I	0.37	0.074	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16D-2.0-0810		
Lab Sample ID:	F76142-49	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.4
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	74.4		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16C-0.5-0810		
Lab Sample ID:	F76142-50	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	77.0
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054184.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	86 U	340	86	ug/kg	
208-96-8	Acenaphthylene	86 U	340	86	ug/kg	
120-12-7	Anthracene	43 U	340	43	ug/kg	
56-55-3	Benzo(a)anthracene	17 U	34	17	ug/kg	
50-32-8	Benzo(a)pyrene	17 U	34	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	17 U	34	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	17 U	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	17 U	34	17	ug/kg	
218-01-9	Chrysene	17 U	34	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	34	17	ug/kg	
206-44-0	Fluoranthene	43 U	340	43	ug/kg	
86-73-7	Fluorene	86 U	340	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	17 U	34	17	ug/kg	
90-12-0	1-Methylnaphthalene	43 U	340	43	ug/kg	
91-57-6	2-Methylnaphthalene	43 U	340	43	ug/kg	
91-20-3	Naphthalene	43 U	340	43	ug/kg	
85-01-8	Phenanthrene	43 U	340	43	ug/kg	
129-00-0	Pyrene	43 U	340	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		40-105%
321-60-8	2-Fluorobiphenyl	79%		43-107%
1718-51-0	Terphenyl-d14	88%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16C-0.5-0810		
Lab Sample ID:	F76142-50	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	77.0
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.16 I	0.48	0.096	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19082

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EC-0.5-0810		
Lab Sample ID:	F76142-51	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.7
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054185.D	4	09/08/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	80 U	320	80	ug/kg	
208-96-8	Acenaphthylene	80 U	320	80	ug/kg	
120-12-7	Anthracene	40 U	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	19.5	32	16	ug/kg	I
50-32-8	Benzo(a)pyrene	30.7	32	16	ug/kg	I
205-99-2	Benzo(b)fluoranthene	55.6	32	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	21.3	32	16	ug/kg	I
207-08-9	Benzo(k)fluoranthene	17.4	32	16	ug/kg	I
218-01-9	Chrysene	26.1	32	16	ug/kg	I
53-70-3	Dibenzo(a,h)anthracene	16 U	32	16	ug/kg	
206-44-0	Fluoranthene	40 U	320	40	ug/kg	
86-73-7	Fluorene	80 U	320	80	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	23.4	32	16	ug/kg	I
90-12-0	1-Methylnaphthalene	40 U	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	40 U	320	40	ug/kg	
91-20-3	Naphthalene	40 U	320	40	ug/kg	
85-01-8	Phenanthrene	40 U	320	40	ug/kg	
129-00-0	Pyrene	40 U	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		40-105%
321-60-8	2-Fluorobiphenyl	78%		43-107%
1718-51-0	Terphenyl-d14	93%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EC-0.5-0810		
Lab Sample ID:	F76142-51	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	83.7
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	42.0	0.51	0.10	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EC-2.0-0810		
Lab Sample ID:	F76142-52	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	88.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EB-0.5-0810		
Lab Sample ID:	F76142-53	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	75.5
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054186.D	4	09/08/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	88 U	350	88	ug/kg	
208-96-8	Acenaphthylene	88 U	350	88	ug/kg	
120-12-7	Anthracene	44 U	350	44	ug/kg	
56-55-3	Benzo(a)anthracene	64.1	35	18	ug/kg	
50-32-8	Benzo(a)pyrene	58.4	35	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	67.3	35	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	34.1	35	18	ug/kg	I
207-08-9	Benzo(k)fluoranthene	20.7	35	18	ug/kg	I
218-01-9	Chrysene	72.9	35	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18 U	35	18	ug/kg	
206-44-0	Fluoranthene	90.9	350	44	ug/kg	I
86-73-7	Fluorene	88 U	350	88	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	31.5	35	18	ug/kg	I
90-12-0	1-Methylnaphthalene	44 U	350	44	ug/kg	
91-57-6	2-Methylnaphthalene	44 U	350	44	ug/kg	
91-20-3	Naphthalene	44 U	350	44	ug/kg	
85-01-8	Phenanthrene	61.1	350	44	ug/kg	I
129-00-0	Pyrene	121	350	44	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		40-105%
321-60-8	2-Fluorobiphenyl	76%		43-107%
1718-51-0	Terphenyl-d14	86%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EB-0.5-0810		
Lab Sample ID:	F76142-53	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	75.5
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.36 I	0.47	0.093	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EB-2.0-0810		
Lab Sample ID:	F76142-54	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	79.3
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	79.3		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EA-0.5-0810		
Lab Sample ID:	F76142-55	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.7
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054187.D	4	09/08/10	RB	08/31/10	OP34180	SW2713
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	84 U	340	84	ug/kg	
208-96-8	Acenaphthylene	84 U	340	84	ug/kg	
120-12-7	Anthracene	52.6	340	42	ug/kg	I
56-55-3	Benzo(a)anthracene	130	34	17	ug/kg	
50-32-8	Benzo(a)pyrene	132	34	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	140	34	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	73.6	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	46.7	34	17	ug/kg	
218-01-9	Chrysene	152	34	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18.7	34	17	ug/kg	I
206-44-0	Fluoranthene	139	340	42	ug/kg	I
86-73-7	Fluorene	84 U	340	84	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	69.7	34	17	ug/kg	
90-12-0	1-Methylnaphthalene	42 U	340	42	ug/kg	
91-57-6	2-Methylnaphthalene	42 U	340	42	ug/kg	
91-20-3	Naphthalene	42 U	340	42	ug/kg	
85-01-8	Phenanthrene	92.6	340	42	ug/kg	I
129-00-0	Pyrene	225	340	42	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		40-105%
321-60-8	2-Fluorobiphenyl	78%		43-107%
1718-51-0	Terphenyl-d14	87%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EA-0.5-0810		
Lab Sample ID:	F76142-55	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.7
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	12.0	0.56	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EA-2.0-0810		
Lab Sample ID:	F76142-56	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	82.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	82.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09W-0.5-0810		
Lab Sample ID:	F76142-57	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.0
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054212.D	4	09/08/10	RB	08/31/10	OP34180	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	80 U	320	80	ug/kg	
208-96-8	Acenaphthylene	100	320	80	ug/kg	I
120-12-7	Anthracene	79.3	320	40	ug/kg	I
56-55-3	Benzo(a)anthracene	163	32	16	ug/kg	
50-32-8	Benzo(a)pyrene	163	32	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	178	32	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	108	32	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	51.1	32	16	ug/kg	
218-01-9	Chrysene	193	32	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	25.8	32	16	ug/kg	I
206-44-0	Fluoranthene	183	320	40	ug/kg	I
86-73-7	Fluorene	80 U	320	80	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	95.0	32	16	ug/kg	
90-12-0	1-Methylnaphthalene	40 U	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	40 U	320	40	ug/kg	
91-20-3	Naphthalene	40 U	320	40	ug/kg	
85-01-8	Phenanthrene	137	320	40	ug/kg	I
129-00-0	Pyrene	285	320	40	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		40-105%
321-60-8	2-Fluorobiphenyl	72%		43-107%
1718-51-0	Terphenyl-d14	78%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09W-2.0-0810		
Lab Sample ID:	F76142-58	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	90.2
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	90.2		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA19-0.5-0810		
Lab Sample ID:	F76142-59	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.2
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054195.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	77 U	310	77	ug/kg	
208-96-8	Acenaphthylene	77 U	310	77	ug/kg	
120-12-7	Anthracene	39 U	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	31	15	ug/kg	
218-01-9	Chrysene	15 U	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	31	15	ug/kg	
206-44-0	Fluoranthene	39 U	310	39	ug/kg	
86-73-7	Fluorene	77 U	310	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	39 U	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	39 U	310	39	ug/kg	
91-20-3	Naphthalene	39 U	310	39	ug/kg	
85-01-8	Phenanthrene	39 U	310	39	ug/kg	
129-00-0	Pyrene	39 U	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		40-105%
321-60-8	2-Fluorobiphenyl	75%		43-107%
1718-51-0	Terphenyl-d14	87%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA19-0.5-0810		
Lab Sample ID:	F76142-59	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	86.2
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.6	0.46	0.093	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA19-2.0-0810		
Lab Sample ID:	F76142-60	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	91.1
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	91.1		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-FD01-0810		
Lab Sample ID:	F76142-61	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054198.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	75 U	300	75	ug/kg	
208-96-8	Acenaphthylene	75 U	300	75	ug/kg	
120-12-7	Anthracene	37 U	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	30	15	ug/kg	
218-01-9	Chrysene	15 U	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	37 U	300	37	ug/kg	
86-73-7	Fluorene	75 U	300	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	37 U	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	37 U	300	37	ug/kg	
91-20-3	Naphthalene	37 U	300	37	ug/kg	
85-01-8	Phenanthrene	37 U	300	37	ug/kg	
129-00-0	Pyrene	37 U	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		40-105%
321-60-8	2-Fluorobiphenyl	82%		43-107%
1718-51-0	Terphenyl-d14	93%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-FD01-0810		
Lab Sample ID:	F76142-61	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.7	0.56	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EC-0.5-0810		
Lab Sample ID:	F76142-63	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.1
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054200.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	76 U	300	76	ug/kg	
208-96-8	Acenaphthylene	109	300	76	ug/kg	I
120-12-7	Anthracene	74.9	300	38	ug/kg	I
56-55-3	Benzo(a)anthracene	158	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	157	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	162	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	114	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	46.7	30	15	ug/kg	
218-01-9	Chrysene	182	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	23.8	30	15	ug/kg	I
206-44-0	Fluoranthene	169	300	38	ug/kg	I
86-73-7	Fluorene	76 U	300	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	98.4	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	300	38	ug/kg	
91-20-3	Naphthalene	38 U	300	38	ug/kg	
85-01-8	Phenanthrene	91.8	300	38	ug/kg	I
129-00-0	Pyrene	282	300	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		40-105%
321-60-8	2-Fluorobiphenyl	76%		43-107%
1718-51-0	Terphenyl-d14	87%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EC-0.5-0810		
Lab Sample ID:	F76142-63	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.1
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.80	0.48	0.096	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EC-0.5-0810		
Lab Sample ID:	F76142-64	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	86.1
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	86.1		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EB-0.5-0810		
Lab Sample ID:	F76142-65	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.3
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054201.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	81 U	330	81	ug/kg	
208-96-8	Acenaphthylene	407	330	81	ug/kg	
120-12-7	Anthracene	560	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	1510	33	16	ug/kg	
50-32-8	Benzo(a)pyrene	1160	33	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	1150	33	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	619	33	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	420	33	16	ug/kg	
218-01-9	Chrysene	1670	33	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	174	33	16	ug/kg	
206-44-0	Fluoranthene	1790	330	41	ug/kg	
86-73-7	Fluorene	123	330	81	ug/kg	I
193-39-5	Indeno(1,2,3-cd)pyrene	609	33	16	ug/kg	
90-12-0	1-Methylnaphthalene	41.9	330	41	ug/kg	I
91-57-6	2-Methylnaphthalene	59.8	330	41	ug/kg	I
91-20-3	Naphthalene	77.0	330	41	ug/kg	I
85-01-8	Phenanthrene	1320	330	41	ug/kg	
129-00-0	Pyrene	2980	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		40-105%
321-60-8	2-Fluorobiphenyl	71%		43-107%
1718-51-0	Terphenyl-d14	77%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EB-0.5-0810		
Lab Sample ID:	F76142-65	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	82.3
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.47	0.093	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EB-2.0-0810		
Lab Sample ID:	F76142-66	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.4
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	74.4		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EA-0.5-0810		
Lab Sample ID:	F76142-67	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	74.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054202.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	88 U	350	88	ug/kg	
208-96-8	Acenaphthylene	149	350	88	ug/kg	I
120-12-7	Anthracene	72.9	350	44	ug/kg	I
56-55-3	Benzo(a)anthracene	128	35	18	ug/kg	
50-32-8	Benzo(a)pyrene	141	35	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	145	35	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	97.5	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	39.6	35	18	ug/kg	
218-01-9	Chrysene	144	35	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	20.4	35	18	ug/kg	I
206-44-0	Fluoranthene	138	350	44	ug/kg	I
86-73-7	Fluorene	88 U	350	88	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	35	18	ug/kg	
90-12-0	1-Methylnaphthalene	44 U	350	44	ug/kg	
91-57-6	2-Methylnaphthalene	44 U	350	44	ug/kg	
91-20-3	Naphthalene	44 U	350	44	ug/kg	
85-01-8	Phenanthrene	99.2	350	44	ug/kg	I
129-00-0	Pyrene	218	350	44	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		40-105%
321-60-8	2-Fluorobiphenyl	75%		43-107%
1718-51-0	Terphenyl-d14	85%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EA-0.5-0810		
Lab Sample ID:	F76142-67	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.66	0.64	0.13	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EA-2.0-0810		
Lab Sample ID:	F76142-68	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	80.4
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	80.4		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10C-0.5-0810		
Lab Sample ID:	F76142-69	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.2
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054203.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	78 U	310	78	ug/kg	
208-96-8	Acenaphthylene	78 U	310	78	ug/kg	
120-12-7	Anthracene	39 U	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	63.7	31	16	ug/kg	
50-32-8	Benzo(a)pyrene	132	31	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	245	31	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	122	31	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	83.7	31	16	ug/kg	
218-01-9	Chrysene	105	31	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	22.3	31	16	ug/kg	I
206-44-0	Fluoranthene	72.0	310	39	ug/kg	I
86-73-7	Fluorene	78 U	310	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	118	31	16	ug/kg	
90-12-0	1-Methylnaphthalene	39 U	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	39 U	310	39	ug/kg	
91-20-3	Naphthalene	39 U	310	39	ug/kg	
85-01-8	Phenanthrene	39 U	310	39	ug/kg	
129-00-0	Pyrene	88.1	310	39	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		40-105%
321-60-8	2-Fluorobiphenyl	81%		43-107%
1718-51-0	Terphenyl-d14	93%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10C-0.5-0810		
Lab Sample ID:	F76142-69	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.2
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.8	0.48	0.095	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10C-2.0-0810		
Lab Sample ID:	F76142-70	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	79.5
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	79.5		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EC-0.5-0810		
Lab Sample ID:	F76142-71	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	75.3
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.5	0.48	0.096	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EC-2.0-0810		
Lab Sample ID:	F76142-72	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.2
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	72.2		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EB-0.5-0810		
Lab Sample ID:	F76142-73	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	87.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.091 U	0.45	0.091	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EB-2.0-0810		
Lab Sample ID:	F76142-74	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.7
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	74.7		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EA-0.5-0810		
Lab Sample ID:	F76142-75	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	69.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.35 I	0.56	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11EA-2.0-0810		
Lab Sample ID:	F76142-76	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	74.2
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	74.2		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11WC-0.5-0810		
Lab Sample ID:	F76142-77	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	69.7
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.51 I	0.72	0.14	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11WC-2.0-0810		
Lab Sample ID:	F76142-78	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.8
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	72.8		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11WA-0.5-0810		
Lab Sample ID:	F76142-79	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	68.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	6.6	0.63	0.13	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11WA-2.0-0810		
Lab Sample ID:	F76142-80	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	73.9
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	73.9		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA18-0.5-0810		
Lab Sample ID:	F76142-81	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	92.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054204.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	72 U	290	72	ug/kg	
208-96-8	Acenaphthylene	72 U	290	72	ug/kg	
120-12-7	Anthracene	36 U	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	14 U	29	14	ug/kg	
50-32-8	Benzo(a)pyrene	14 U	29	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	14 U	29	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	14 U	29	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	14 U	29	14	ug/kg	
218-01-9	Chrysene	14 U	29	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	14 U	29	14	ug/kg	
206-44-0	Fluoranthene	36 U	290	36	ug/kg	
86-73-7	Fluorene	72 U	290	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	14 U	29	14	ug/kg	
90-12-0	1-Methylnaphthalene	36 U	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	36 U	290	36	ug/kg	
91-20-3	Naphthalene	36 U	290	36	ug/kg	
85-01-8	Phenanthrene	36 U	290	36	ug/kg	
129-00-0	Pyrene	36 U	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		40-105%
321-60-8	2-Fluorobiphenyl	66%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA18-0.5-0810		
Lab Sample ID:	F76142-81	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	92.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.21 I	0.50	0.10	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA18-4.0-0810		
Lab Sample ID:	F76142-82	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	93.4
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	93.4		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA18-4.0-0810		
Lab Sample ID:	F76142-83	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.2
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	85.2		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW01-0810		
Lab Sample ID:	F76142-84	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24382.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	57%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW01-0810		
Lab Sample ID:	F76142-84	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4 I	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW02-0810		
Lab Sample ID:	F76142-85	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24383.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW02-0810		
Lab Sample ID:	F76142-85	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	385	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW03-0810		
Lab Sample ID:	F76142-86	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24384.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW03-0810		
Lab Sample ID:	F76142-86	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	403	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW05-0810		
Lab Sample ID:	F76142-87	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24385.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	76%		40-106%
1718-51-0	Terphenyl-d14	92%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW05-0810		
Lab Sample ID:	F76142-87	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW04-0810D		
Lab Sample ID:	F76142-88	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24386.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	80%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW04-0810D		
Lab Sample ID:	F76142-88	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW04-0810		
Lab Sample ID:	F76142-89	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24387.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	60%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-MW04-0810		
Lab Sample ID:	F76142-89	**Date Sampled:**	08/26/10
Matrix:	AQ - Ground Water	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-23-10		
Lab Sample ID:	F76142-90	**Date Sampled:**	08/23/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24388.D	1	09/02/10	RB	08/30/10	OP34164	SR1194
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	87%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-23-10		
Lab Sample ID:	F76142-90	**Date Sampled:**	08/23/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-24-10		
Lab Sample ID:	F76142-91	**Date Sampled:**	08/24/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24409.D	1	09/03/10	RB	08/30/10	OP34164	SR1195
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		42-108%
321-60-8	2-Fluorobiphenyl	82%		40-106%
1718-51-0	Terphenyl-d14	93%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-24-10		
Lab Sample ID:	F76142-91	**Date Sampled:**	08/24/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-25-10		
Lab Sample ID:	F76142-92	**Date Sampled:**	08/25/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R24402.D	1	09/03/10	RB	09/01/10	OP34208	SR1195
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.19	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.19	0.049	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.49 U	0.97	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.97	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		42-108%
321-60-8	2-Fluorobiphenyl	84%		40-106%
1718-51-0	Terphenyl-d14	96%		39-121%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-8-25-10		
Lab Sample ID:	F76142-92	**Date Sampled:**	08/25/10
Matrix:	AQ - Equipment Blank	**Date Received:**	08/27/10
		Percent Solids:	n/a
Project:	Rails to Trails, FL		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0 U	10	2.0	ug/l	1	09/13/10	09/13/10	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19079

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16A-0.5-0810		
Lab Sample ID:	F76142-93	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.1
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054213.D	4	09/08/10	RB	08/31/10	OP34180	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	75 U	300	75	ug/kg	
208-96-8	Acenaphthylene	75 U	300	75	ug/kg	
120-12-7	Anthracene	38 U	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	30	15	ug/kg	
218-01-9	Chrysene	15 U	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	38 U	300	38	ug/kg	
86-73-7	Fluorene	75 U	300	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	300	38	ug/kg	
91-20-3	Naphthalene	38 U	300	38	ug/kg	
85-01-8	Phenanthrene	38 U	300	38	ug/kg	
129-00-0	Pyrene	38 U	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		40-105%
321-60-8	2-Fluorobiphenyl	67%		43-107%
1718-51-0	Terphenyl-d14	78%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16A-0.5-0810		
Lab Sample ID:	F76142-93	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	87.1
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.37 I	0.43	0.087	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16A-2.0-0810		
Lab Sample ID:	F76142-94	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	75.0
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	75		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16B-0.5-0810		
Lab Sample ID:	F76142-95	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.0
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W054214.D	4	09/08/10	RB	08/31/10	OP34180	SW2714
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	84 U	340	84	ug/kg	
208-96-8	Acenaphthylene	84 U	340	84	ug/kg	
120-12-7	Anthracene	42 U	340	42	ug/kg	
56-55-3	Benzo(a)anthracene	17 U	34	17	ug/kg	
50-32-8	Benzo(a)pyrene	17 U	34	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	17 U	34	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	17 U	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	17 U	34	17	ug/kg	
218-01-9	Chrysene	17 U	34	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	34	17	ug/kg	
206-44-0	Fluoranthene	42 U	340	42	ug/kg	
86-73-7	Fluorene	84 U	340	84	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	17 U	34	17	ug/kg	
90-12-0	1-Methylnaphthalene	42 U	340	42	ug/kg	
91-57-6	2-Methylnaphthalene	42 U	340	42	ug/kg	
91-20-3	Naphthalene	42 U	340	42	ug/kg	
85-01-8	Phenanthrene	42 U	340	42	ug/kg	
129-00-0	Pyrene	42 U	340	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		40-105%
321-60-8	2-Fluorobiphenyl	68%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16B-0.5-0810		
Lab Sample ID:	F76142-95	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	78.0
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.11 U	0.53	0.11	mg/kg	1	09/13/10	09/14/10	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8374
(2) Prep QC Batch: MP19083

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA16B-2.0-0810		
Lab Sample ID:	F76142-96	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	75.0
Project:	Rails to Trails, FL		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	75		%	1	09/03/10	TC	SM19 2540B M

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 2763 F76142 PAGE 1 OF 6

PROJECT NO: 112CO3039	FACILITY: Rails to Trails	PROJECT MANAGER JD Spalding	PHONE NUMBER 407 480-3941
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER JD Spalding	PHONE NUMBER Same
		CARRIER/WAYBILL NUMBER	

LABORATORY NAME AND CONTACT: Accutest
ADDRESS: 4405 Vineland Rd Ste C15
CITY, STATE: Orlando, FL 32811

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: —

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: D8270 SIMPAH	TYPE OF ANALYSIS: PYS Sm C							COMMENTS
1	8/23	1415	RTKP-HA01EC-0.5-0810	HA01EC	0	0.5	SO	G	1	✓	✓							
2		1420	RTKP-HA01EC-2.0-0810	HA01EC	0.5	2.0				✓	✓							
3		1425	RTKP-HA01CC-0.5-0810	HA01CC	0	0.5				✓	✓							
	MB		~~RTKP-HA01CC-2.0-0810~~	~~HA01CC~~	~~0.5~~	~~2.0~~				✓	✓							
4		1445	RTKP-HA01EB-0.5-0810	HA01EB	0	0.5				✓	✓							
5		1450	RTKP-HA01EB-2.0-0810	HA01EB	0.5	2.0				✓	✓							
6		1510	RTKP-HA01EA-0.5-0810	HA01EA	0	0.5				✓	✓							
7		1515	RTKP-HA01EA-2.0-0810	HA01EA	0.5	2.0				✓	✓							
8		1535	RTKP-HA01CA-0.5-0810	HA01CA	0	0.5				✓	✓							
9		1540	RTKP-HA01CA-2.0-0810	HA01CA	0.5	2.0				✓	✓							
10		1600	RTKP-HA01W-0.5-0810	HA01W	0	0.5				✓								
11		1605	RTKP-HA01W-2.0-0810	HA01W	0.5	2				✓								
12		1610	RTKP-HA01W-4.0-0810	HA01W	2	4				✓								

1. RELINQUISHED BY	DATE 8/26/10	TIME 1545	1. RECEIVED BY	8/26/10	DATE 1	TIME 1545
2. RELINQUISHED BY	DATE 8/26/10	TIME 1752	2. RECEIVED BY Accutest		DATE 0827W	TIME 0910
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY		DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

F76142: Chain of Custody
Page 1 of 7

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 2764 F76142 PAGE 2 OF 6

PROJECT NO: 112C03039	FACILITY: Ralston Trails	PROJECT MANAGER: JD Spalding	PHONE NUMBER: 407 480 3941
SAMPLERS (SIGNATURE): M Brock		FIELD OPERATIONS LEADER: JD Spalding	PHONE NUMBER: same
		CARRIER/WAYBILL NUMBER	

LABORATORY NAME AND CONTACT: Accutest
ADDRESS: 4405 Vineland Rd Ste C15
CITY, STATE: Orlando FL 32811

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: —

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: 6270 SMPAH	6010 Arsenic							COMMENTS
1	8/24	0900	RTKP-HA02EC-0.5-0810	HA02EC	0	0.5	SO	G	1	✓								
2		0905	RTKP-HA02EC-2.0-0810	HA02EC	0.5	2.0				✓								
3		0910	RTKP-HA02EB-0.5-0810	HA02EB	0	0.5				✓								
4		0915	RTKP-HA02EB-2.0-0810	HA02EB	0.5	2.0				✓								
5		0920	RTKP-HA02EA-0.5-0810	HA02EA	0	0.5				✓								
6		0925	RTKP-HA02EA-2.0-0810	HA02EA	0.5	2.0				✓								
7		0930	RTKP-HA02C-0.5-0810	HA02C	0	0.5				✓								
8		0935	RTKP-HA02C-2.0-0810	HA02C	0.5	2.0				✓								
9		0940	RTKP-HA03CC-0.5-0810	HA03CC	0	0.5				✓	✓							
10		0945	RTKP-HA03CC-2.0-0810	HA03CC	0.5	2.0				✓	✓							
11		0950	RTKP-HA03E-0.5-0810	HA03E	0	0.5				✓								
12		0955	RTKP-HA03E-2.0-0810	HA03E	0.5	2.0				✓								
13		1000	RTKP-HA03CA-0.5-0810	HA03CA	0	0.5				✓	✓							
14		1005	RTKP-HA03CA-2.0-0810	HA03CA	0.5	2.0				✓	✓							
15		~~1015~~	~~RTKP-HA04CC-0.5-0810~~	~~HA04CC~~	~~0~~	~~0.5~~					✓							
16		~~1020~~	~~RTKP-HA04CC-2.0-0810~~	~~HA04CC~~	~~0.5~~	~~2.0~~					✓							
17		~~1025~~	~~RTKP-HA04CA-0.5-0810~~	~~HA04CA~~	~~0~~	~~0.5~~					✓							
18		~~1030~~	~~RTKP-HA04CA-2.0-0810~~	~~HA04CA~~	~~0.5~~	~~2.0~~					✓							

1. RELINQUISHED BY: M Brock	DATE 8/26/10	TIME 1545	1. RECEIVED BY: [signature]	DATE 8/26/10	TIME 1546
2. RELINQUISHED BY: [signature]	DATE 8/26/10	TIME 1752	2. RECEIVED BY: [signature]	DATE 08/27/10	TIME 08W
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

F76142: Chain of Custody
Page 2 of 7

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2766 F76142 PAGE 3 OF 6

PROJECT NO: U2C03039	FACILITY: Railsto Trails	PROJECT MANAGER JD Spalding	PHONE NUMBER	LABORATORY NAME AND CONTACT: Accutest
SAMPLERS (SIGNATURE) [signature]		FIELD OPERATIONS LEADER JD Spalding	PHONE NUMBER	ADDRESS
		CARRIER/WAYBILL NUMBER		CITY, STATE

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED:

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS 8270 SIM PAH	Arsenic						COMMENTS
8/24	1015	RTKP-HA04CC-0.5-0810	HA04CC	0	0.5	SO	G	1		✓						
	1020	RTKP-HA04CC-2.0-0810	HA04CC	0.5	2.0					✓						
	1025	RTKP-HA04CA-0.5-0810	HA04CA	0	0.5					✓						
	1030	RTKP-HA04CA-2.0-0810	HA04CA	0.5	2.0					✓						
	1130	RTKP-HA05CC-0.5-0810	HA05CC	0	0.5					✓						
	1135	RTKP-HA05CC-2.0-0810		0.5	2.0					✓						
	1140	RTKP-HA05CA-0.5-0810	HA05CA	0	0.5					✓						
	1145	RTKP-HA05CA-2.0-0810		0.5	2.0					✓						
	1150	RTKP-HA05WC-0.5-0810	HA05WC	0	0.5					✓						
	1155	RTKP-HA05WC-2.0-0810		0.5	2.0					✓						
	1200	RTKP-HA05WD-0.5-0810	HA05WD	0	0.5					✓						
	1205	RTKP-HA05WD-2.0-0810		0.5	2.0					✓						
	1210	RTKP-HA05WA-0.5-0810	HA05WA	0	0.5					✓						
	~~1215~~	~~RTKP-HA05WA-2.0-0810~~		~~0.5~~	~~2.0~~					✓	MB					not collected
	1310	RTKP-HA06CC-0.5-0810	HA06CC	0	0.5					✓						
	1315	RTKP-HA06CC-2.0-0810		0.5	2.0					✓						
	1320	RTKP-HA06CA-0.5-0810	HA06CA	0	0.5					✓						
	1325	RTKP-HA06CA-2.0-0810		0.5	2.0					✓						
	1345	RTKP-HA08CC-0.5-0810	HA08CC	0	0.5				✓	✓						
	1350	RTKP-HA08CC-2.0-0810		0.5	2.0				✓	✓						
	1355	RTKP-HA08CA-0.5-0810	HA08CA	0	0.5				✓	✓						
	1400	RTKP-HA08CA-2.0-0810		0.5	2.0				✓	✓						
	1415	RTKP-HA16A-0.5-0810	HA16A	0	0.5				✓	✓						
	1420	RTKP-HA16A-2.0-0810		0.5	2.0				✓	✓						
	1425	RTKP-HA16B-0.5-0810	HA16B	0	0.5				✓	✓						
	1430	RTKP-HA16B-2.0-0810		0.5	2.0				✓	✓						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY [signature]	8/28/10	1545	1. RECEIVED BY [signature]	8/26/10	1546
2. RELINQUISHED BY [signature]	8/28/10	1752	2. RECEIVED BY [signature]	8/27/10	1540
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

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F76142: Chain of Custody
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TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2767 F76142 PAGE 4 OF 6

PROJECT NO: 112C03039	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT: Accutest
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		CARRIER/WAYBILL NUMBER		CITY, STATE

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: —

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: 8270 SIMPAH	Arsenic	COMMENTS
8/24	1405	RTKP-HA16D-0.5-0810	HA16D	0	0.5	SO	G	1	✓	✓	
	1410	RTKP-HA16D-2.0-0810		0.5	2.0				✓	✓	
8/24	1435	RTKP-HA16C-0.5-0810	HA16C	0	0.5				✓	✓	
	~~1440~~	~~RTKP-HA16C-2.0-0810~~		~~0.5~~	~~2.0~~				✓	✓	ND not collected
8/25	0815	RTKP-HA09EC-0.5-0810	HA09EC	0	0.5				✓	✓	
	0820	RTKP-HA09EC-2.0-0810		0.5	2.0				✓	✓	
	0825	RTKP-HA09EB-0.5-0810	HA09EB	0	0.5				✓	✓	
	0830	RTKP-HA09EB-2.0-0810		0.5	2.0				✓	✓	
	0835	RTKP-HA09EA-0.5-0810	HA09EA	0	0.5				✓	✓	
	0840	RTKP-HA09EA-2.0-0810		0.5	2.0				✓	✓	
	0845	RTKP-HA09W-0.5-0810	HA09W	0	0.5				✓		
	0850	RTKP-HA09W-2.0-0810		0.5	2.0				✓		
	0855	RTKP-HA19-0.5-0810	HA19	0	0.5				✓	✓	
	0900	RTKP-HA19-2.0-0810		0.5	2.0				✓	✓	
	0900	RTKP-FD01-0810	—	—	—				✓	✓	
	0905	RTKP-HA09W-0.5MS-0810	HA09W	0.5	2.0				✓	✓	
	0910	RTKP-HA09W-0.5MSD-0810	HA09W	0.5	2.0				✓	✓	
63	1000	RTKP-HA10EC-0.5-0810	HA10EC	0	0.5				✓	✓	
64	1005	RTKP-HA10EC-2.0-0810	HA10EC	0.5	2.0				✓	✓	
65	1010	RTKP-HA10EB-0.5-0810	HA10EB	0	0.5				✓	✓	
66	1015	RTKP-HA10EB-2.0-0810	HA10EB	0.5	2.0				✓	✓	
67	1020	RTKP-HA10EA-0.5-0810	HA10EA	0	0.5				✓	✓	
68	1025	RTKP-HA10EA-2.0-0810	HA10EA	0.5	2.0				✓	✓	
69	1030	RTKP-HA10C-0.5-0810	HA10C	0	0.5				✓	✓	
70	1035	RTKP-HA10C-2.0-0810	HA10C	0.5	2.0				✓	✓	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: M Brown	8/26/10	1545	1. RECEIVED BY: [signature]	8/26/10	1547
2. RELINQUISHED BY: [signature]	8/26/10	1547	2. RECEIVED BY: [signature] Accutest	08/27/10	[illegible]
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

3.1 3

F76142: Chain of Custody
Page 4 of 7

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F76142 PAGE 5 OF 6
Accutest Quote # SDG # 35134

Client / Reporting Information

Company Name
Address
City State Zip
Project Contact: JD Spalding E-mail
Phone#
Sampler(s) Name(s) (Printed): M Brock / JD Spalding

Project Information

Project Name: RTKP
Street
City State
Project # 112C03039
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	8270 SIM PAH	Arsenic
71	RTKP-HA11EC-0.5-0810	8/25	1110	MB	SO	1											✓
72	RTKP-HA11EC-2.0-0810		1115			1											✓
73	RTKP-HA11EB-0.5-0810		1120			1											✓
74	RTKP-HA11EB-2.0-0810		1125			1											✓
75	RTKP-HA11EA-0.5-0810		1130			1											✓
76	RTKP-HA11EA-2.0-0810		1135			1											✓
77	RTKP-HA11WC-0.5-0810		1140			1											✓
78	RTKP-HA11WC-2.0-0810		1145			1											✓
79	RTKP-HA11WA-0.5-0810		1150			1											✓
80	RTKP-HA11WA-2.0-0810		1155			1											✓
	~~RTKP-HA06~~ MB					1											
81	RTKP-HA18-0.5-0810		1430			1										✓	✓

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 M Brock	8/26/10 1545	2 [signature] 8/26/10 1546	3 [signature] 8/26/10	1746	4 [signature] Acutest 08/27/10 0810
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: _____

3.1 3

F76142: Chain of Custody
Page 5 of 7

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F76142 PAGE 6 OF 6
Accutest Quote # SKIEF

Client / Reporting Information		Project Information	
Company Name		Project Name:	
Address	112C03039	Street	
City	State Zip	City	State
Project Contact	E-mail	Project #	
Phone#		Fax #	
Sampler(s) Name(s) (Printed)		Client Purchase Order #	

Analytical Information: 8270 SIMPAH; Arsenic

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE (Iced)	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	8270 SIMPAH	Arsenic	LAB USE ONLY
82	RTKP-HA18-2.0-0810	8/25	1435	MB	SO	1		1								✓	✓	
83	RTKP-HA18-4.0-0810	8/25	1440	MB	SO	1		1								✓	✓	
84	RTKP-MW01-0810	8/26	0820	MB	GW	3		✓			✓					✓	✓	
85	RTKP-MW02-0810	8/26	1115	MB	GW	3		✓			✓					✓	✓	
86	RTKP-MW03-0810	8/26	1430	MB	GW	3		✓			✓					✓	✓	
87	RTKP-MW05-0810	8/26	1400	MB	GW	3		✓			✓					✓	✓	
88	RTKP-~~FD~~ MW04 0810D	8/26	—	MB	GW	3		✓			✓					✓	✓	
89	RTKP-MW04-0810	8/26	1501	MB	GW	3		✓			✓					✓	✓	
90	RB-8-23-10	8/23	1700	MB	QA	3		✓			✓					✓	✓	
91	RB-8-24-10	8/24	1700	MB	QA	3		✓			✓					✓	✓	
92	RB-8-25-10	8/25	1700	MB	QA	3		✓			✓					✓	✓	

TURNAROUND TIME (Business Days) — Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	8/26/10 1545	2 [signature] 8/26/10 1547	3 [signature] 8/26/10	1742	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8 [signature] 08/27/10

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

F76142: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F76142 CLIENT: TetraTech PROJECT: 112 G03039

DATE/TIME RECEIVED: 08/27/10 0800 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 5

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +.6
- [ ] OBSERVED TEMPS: 2.4 3.0 3.4 2.8 1.0
- [ ] CORRECTED TEMPS: 3.0 3.6 4.0 3.4 1.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE ET 082710 REVIEWER SIGNATURE/DATE JC 08-27-10

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34164-MB	R24371.D	1	09/02/10	RB	08/30/10	OP34164	SR1194

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.25	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	81%	42-108%
321-60-8	2-Fluorobiphenyl	84%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34169-MB	W054109.D	1	09/02/10	RB	08/30/10	OP34169	SW2710

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-1, F76142-3, F76142-4

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	73%	40-105%
321-60-8	2-Fluorobiphenyl	73%	43-107%
1718-51-0	Terphenyl-d14	99%	45-119%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34164-MB	R24408.D	1	09/03/10	RB	08/30/10	OP34164	SR1195

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.25	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	84%	42-108%
321-60-8	2-Fluorobiphenyl	83%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34169-MB	W054165.D	1	09/07/10	RB	08/30/10	OP34169	SW2713

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-1, F76142-3, F76142-4

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	71%	40-105%
321-60-8	2-Fluorobiphenyl	67%	43-107%
1718-51-0	Terphenyl-d14	92%	45-119%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34180-MB	W054168.D	1	09/07/10	RB	08/31/10	OP34180	SW2713

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-6, F76142-8, F76142-10, F76142-13, F76142-15, F76142-17, F76142-19, F76142-21, F76142-23, F76142-25, F76142-44, F76142-46, F76142-48, F76142-50, F76142-51, F76142-53, F76142-55, F76142-57, F76142-93, F76142-95

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	71%	40-105%
321-60-8	2-Fluorobiphenyl	74%	43-107%
1718-51-0	Terphenyl-d14	89%	45-119%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34180-MB	W054211.D	1	09/08/10	RB	08/31/10	OP34180	SW2714

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-6, F76142-8, F76142-10, F76142-13, F76142-15, F76142-17, F76142-19, F76142-21, F76142-23, F76142-25, F76142-44, F76142-46, F76142-48, F76142-50, F76142-51, F76142-53, F76142-55, F76142-57, F76142-93, F76142-95

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	70%	40-105%
321-60-8	2-Fluorobiphenyl	73%	43-107%
1718-51-0	Terphenyl-d14	91%	45-119%

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34208-MB	R24395.D	1	09/03/10	RB	09/01/10	OP34208	SR1195

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-92

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.25	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	80% [a]	42-108%
321-60-8	2-Fluorobiphenyl	75% [a]	40-106%
1718-51-0	Terphenyl-d14	80% [a]	39-121%

(a) Surrogate recoveries corrected for actual spike amount.

Method Blank Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34255-MB	W054194.D	1	09/08/10	RB	09/07/10	OP34255	SW2714

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-81

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	84%	40-105%
321-60-8	2-Fluorobiphenyl	85%	43-107%
1718-51-0	Terphenyl-d14	96%	45-119%

Blank Spike Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34164-BS	R24370.D	1	09/02/10	RB	08/30/10	OP34164	SR1194

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	10	7.3	73	60-94
208-96-8	Acenaphthylene	10	7.4	74	60-92
120-12-7	Anthracene	5	4.0	80	69-98
56-55-3	Benzo(a)anthracene	5	4.2	84	65-102
50-32-8	Benzo(a)pyrene	5	4.1	82	74-106
205-99-2	Benzo(b)fluoranthene	5	4.1	82	71-104
191-24-2	Benzo(g,h,i)perylene	5	3.6	72	60-104
207-08-9	Benzo(k)fluoranthene	5	4.1	82	70-104
218-01-9	Chrysene	5	4.3	86	69-104
53-70-3	Dibenzo(a,h)anthracene	5	3.3	66	63-107
206-44-0	Fluoranthene	10	8.2	82	70-99
86-73-7	Fluorene	10	7.6	76	62-95
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.5	70	63-107
90-12-0	1-Methylnaphthalene	10	6.8	68	57-94
91-57-6	2-Methylnaphthalene	10	6.8	68	58-90
91-20-3	Naphthalene	10	7.0	70	58-92
85-01-8	Phenanthrene	10	7.8	78	68-98
129-00-0	Pyrene	10	8.1	81	66-102

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	79%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

Blank Spike Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34169-BS	W054108.D	1	09/02/10	RB	08/30/10	OP34169	SW2710

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-1, F76142-3, F76142-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	333	228	68	61-97
208-96-8	Acenaphthylene	333	229	69	61-95
120-12-7	Anthracene	167	127	76	64-100
56-55-3	Benzo(a)anthracene	167	138	83	63-106
50-32-8	Benzo(a)pyrene	167	137	82	69-107
205-99-2	Benzo(b)fluoranthene	167	142	85	69-107
191-24-2	Benzo(g,h,i)perylene	167	112	67	56-110
207-08-9	Benzo(k)fluoranthene	167	132	79	64-109
218-01-9	Chrysene	167	139	83	64-108
53-70-3	Dibenzo(a,h)anthracene	167	104	62	58-113
206-44-0	Fluoranthene	333	257	77	64-104
86-73-7	Fluorene	333	233	70	61-99
193-39-5	Indeno(1,2,3-cd)pyrene	167	115	69	59-113
90-12-0	1-Methylnaphthalene	333	220	66	58-98
91-57-6	2-Methylnaphthalene	333	216	65	57-95
91-20-3	Naphthalene	333	220	66	58-94
85-01-8	Phenanthrene	333	243	73	65-100
129-00-0	Pyrene	333	259	78	62-107

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	75%	40-105%
321-60-8	2-Fluorobiphenyl	71%	43-107%
1718-51-0	Terphenyl-d14	90%	45-119%

Blank Spike Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34180-BS	W054167.D	1	09/07/10	RB	08/31/10	OP34180	SW2713

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-6, F76142-8, F76142-10, F76142-13, F76142-15, F76142-17, F76142-19, F76142-21, F76142-23, F76142-25, F76142-44, F76142-46, F76142-48, F76142-50, F76142-51, F76142-53, F76142-55, F76142-57, F76142-93, F76142-95

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	333	269	81	61-97
208-96-8	Acenaphthylene	333	270	81	61-95
120-12-7	Anthracene	167	141	85	64-100
56-55-3	Benzo(a)anthracene	167	145	87	63-106
50-32-8	Benzo(a)pyrene	167	141	85	69-107
205-99-2	Benzo(b)fluoranthene	167	150	90	69-107
191-24-2	Benzo(g,h,i)perylene	167	135	81	56-110
207-08-9	Benzo(k)fluoranthene	167	152	91	64-109
218-01-9	Chrysene	167	147	88	64-108
53-70-3	Dibenzo(a,h)anthracene	167	126	76	58-113
206-44-0	Fluoranthene	333	317	95	64-104
86-73-7	Fluorene	333	269	81	61-99
193-39-5	Indeno(1,2,3-cd)pyrene	167	126	76	59-113
90-12-0	1-Methylnaphthalene	333	258	77	58-98
91-57-6	2-Methylnaphthalene	333	250	75	57-95
91-20-3	Naphthalene	333	257	77	58-94
85-01-8	Phenanthrene	333	283	85	65-100
129-00-0	Pyrene	333	290	87	62-107

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	84%	40-105%
321-60-8	2-Fluorobiphenyl	84%	43-107%
1718-51-0	Terphenyl-d14	96%	45-119%

Blank Spike Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34208-BS	R24394.D	1	09/03/10	RB	09/01/10	OP34208	SR1195

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-92

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	10	7.3	73	60-94
208-96-8	Acenaphthylene	10	7.4	74	60-92
120-12-7	Anthracene	5	4.0	80	69-98
56-55-3	Benzo(a)anthracene	5	4.2	84	65-102
50-32-8	Benzo(a)pyrene	5	4.2	84	74-106
205-99-2	Benzo(b)fluoranthene	5	4.2	84	71-104
191-24-2	Benzo(g,h,i)perylene	5	3.4	68	60-104
207-08-9	Benzo(k)fluoranthene	5	4.2	84	70-104
218-01-9	Chrysene	5	4.3	86	69-104
53-70-3	Dibenzo(a,h)anthracene	5	3.1	62* [a]	63-107
206-44-0	Fluoranthene	10	8.0	80	70-99
86-73-7	Fluorene	10	7.5	75	62-95
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.2	64	63-107
90-12-0	1-Methylnaphthalene	10	6.7	67	57-94
91-57-6	2-Methylnaphthalene	10	6.6	66	58-90
91-20-3	Naphthalene	10	7.0	70	58-92
85-01-8	Phenanthrene	10	7.8	78	68-98
129-00-0	Pyrene	10	8.2	82	66-102

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	78%	42-108%
321-60-8	2-Fluorobiphenyl	78%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

(a) Outside control limits. Within control limits in ms/msd.

Blank Spike Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34255-BS	W054193.D	1	09/08/10	RB	09/07/10	OP34255	SW2714

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-81

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	333	275	83	61-97
208-96-8	Acenaphthylene	333	278	83	61-95
120-12-7	Anthracene	167	139	83	64-100
56-55-3	Benzo(a)anthracene	167	146	88	63-106
50-32-8	Benzo(a)pyrene	167	141	85	69-107
205-99-2	Benzo(b)fluoranthene	167	148	89	69-107
191-24-2	Benzo(g,h,i)perylene	167	140	84	56-110
207-08-9	Benzo(k)fluoranthene	167	149	89	64-109
218-01-9	Chrysene	167	149	89	64-108
53-70-3	Dibenzo(a,h)anthracene	167	140	84	58-113
206-44-0	Fluoranthene	333	293	88	64-104
86-73-7	Fluorene	333	280	84	61-99
193-39-5	Indeno(1,2,3-cd)pyrene	167	139	83	59-113
90-12-0	1-Methylnaphthalene	333	263	79	58-98
91-57-6	2-Methylnaphthalene	333	258	77	57-95
91-20-3	Naphthalene	333	258	77	58-94
85-01-8	Phenanthrene	333	287	86	65-100
129-00-0	Pyrene	333	283	85	62-107

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	83%	40-105%
321-60-8	2-Fluorobiphenyl	86%	43-107%
1718-51-0	Terphenyl-d14	94%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34169-MS	W054111.D	4	09/02/10	RB	08/30/10	OP34169	SW2710
OP34169-MSD	W054112.D	4	09/02/10	RB	08/30/10	OP34169	SW2710
F75977-10	W054110.D	4	09/02/10	RB	08/30/10	OP34169	SW2710

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-1, F76142-3, F76142-4

CAS No.	Compound	F75977-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	290	U	358	302	84	283	78	6	61-97/27
208-96-8	Acenaphthylene	290	U	358	308	86	288	79	7	61-95/29
120-12-7	Anthracene	290	U	179	149	83	137	75	8	64-100/24
56-55-3	Benzo(a)anthracene	29	U	179	150	84	151	83	1	63-106/35
50-32-8	Benzo(a)pyrene	29	U	179	143	80	138	76	4	69-107/33
205-99-2	Benzo(b)fluoranthene	29	U	179	160	89	156	86	3	69-107/32
191-24-2	Benzo(g,h,i)perylene	29	U	179	133	74	134	74	1	56-110/37
207-08-9	Benzo(k)fluoranthene	29	U	179	157	88	150	82	5	64-109/34
218-01-9	Chrysene	29	U	179	158	88	157	86	1	64-108/34
53-70-3	Dibenzo(a,h)anthracene	29	U	179	130	73	132	73	2	58-113/38
206-44-0	Fluoranthene	290	U	358	318	89	314	86	1	64-104/33
86-73-7	Fluorene	290	U	358	307	86	286	79	7	61-99/28
193-39-5	Indeno(1,2,3-cd)pyrene	29	U	179	131	73	131	72	0	59-113/34
90-12-0	1-Methylnaphthalene	290	U	358	294	82	274	75	7	58-98/30
91-57-6	2-Methylnaphthalene	290	U	358	291	81	269	74	8	57-95/31
91-20-3	Naphthalene	290	U	358	289	81	271	74	6	58-94/31
85-01-8	Phenanthrene	290	U	358	314	88	297	82	6	65-100/33
129-00-0	Pyrene	290	U	358	323	90	315	87	3	62-107/37

CAS No.	Surrogate Recoveries	MS	MSD	F75977-10	Limits
4165-60-0	Nitrobenzene-d5	83%	77%	68%	40-105%
321-60-8	2-Fluorobiphenyl	86%	80%	71%	43-107%
1718-51-0	Terphenyl-d14	95%	92%	92%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34164-MS	R24410.D	1	09/03/10	RB	08/30/10	OP34164	SR1195
OP34164-MSD	R24411.D	1	09/03/10	RB	08/30/10	OP34164	SR1195
F76142-90	R24388.D	1	09/02/10	RB	08/30/10	OP34164	SR1194

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91

CAS No.	Compound	F76142-90 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.96	U	19.2	16.0	83	18.4	96*	14	60-94/25
208-96-8	Acenaphthylene	0.96	U	19.2	16.5	86	18.6	97*	12	60-92/24
120-12-7	Anthracene	0.96	U	9.62	8.5	88	9.3	97	9	69-98/19
56-55-3	Benzo(a)anthracene	0.19	U	9.62	8.7	90	9.5	99	9	65-102/23
50-32-8	Benzo(a)pyrene	0.19	U	9.62	8.8	92	9.6	100	9	74-106/23
205-99-2	Benzo(b)fluoranthene	0.19	U	9.62	8.8	92	9.6	100	9	71-104/24
191-24-2	Benzo(g,h,i)perylene	0.19	U	9.62	8.2	85	9.0	94	9	60-104/22
207-08-9	Benzo(k)fluoranthene	0.19	U	9.62	9.0	94	10.1	105*	12	70-104/22
218-01-9	Chrysene	0.19	U	9.62	8.8	92	9.6	100	9	69-104/21
53-70-3	Dibenzo(a,h)anthracene	0.19	U	9.62	8.1	84	8.9	93	9	63-107/21
206-44-0	Fluoranthene	0.96	U	19.2	17.2	89	18.8	98	9	70-99/23
86-73-7	Fluorene	0.96	U	19.2	16.5	86	18.7	97*	13	62-95/25
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	9.62	7.7	80	8.7	90	12	63-107/24
90-12-0	1-Methylnaphthalene	0.96	U	19.2	14.9	77	17.0	88	13	57-94/26
91-57-6	2-Methylnaphthalene	0.96	U	19.2	14.7	76	16.8	87	13	58-90/23
91-20-3	Naphthalene	0.96	U	19.2	15.5	81	17.6	92	13	58-92/23
85-01-8	Phenanthrene	0.96	U	19.2	17.0	88	19.0	99*	11	68-98/23
129-00-0	Pyrene	0.96	U	19.2	17.8	93	19.9	103*	11	66-102/25

CAS No.	Surrogate Recoveries	MS	MSD	F76142-90	Limits
4165-60-0	Nitrobenzene-d5	87%	99%	74%	42-108%
321-60-8	2-Fluorobiphenyl	88%	99%	78%	40-106%
1718-51-0	Terphenyl-d14	93%	101%	87%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34180-MS	W054182.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
OP34180-MSD	W054183.D	4	09/07/10	RB	08/31/10	OP34180	SW2713
F76142-48	W054181.D	4	09/07/10	RB	08/31/10	OP34180	SW2713

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-6, F76142-8, F76142-10, F76142-13, F76142-15, F76142-17, F76142-19, F76142-21, F76142-23, F76142-25, F76142-44, F76142-46, F76142-48, F76142-50, F76142-51, F76142-53, F76142-55, F76142-57, F76142-93, F76142-95

CAS No.	Compound	F76142-48 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	300	U	380	305	80	310	81	2	61-97/27
208-96-8	Acenaphthylene	300	U	380	314	83	315	83	0	61-95/29
120-12-7	Anthracene	300	U	190	162	85	158	83	3	64-100/24
56-55-3	Benzo(a)anthracene	30	U	190	167	88	161	84	4	63-106/35
50-32-8	Benzo(a)pyrene	30	U	190	165	87	159	83	4	69-107/33
205-99-2	Benzo(b)fluoranthene	30	U	190	166	87	162	85	2	69-107/32
191-24-2	Benzo(g,h,i)perylene	30	U	190	132	70	129	68	2	56-110/37
207-08-9	Benzo(k)fluoranthene	30	U	190	164	86	158	83	4	64-109/34
218-01-9	Chrysene	30	U	190	168	88	159	83	6	64-108/34
53-70-3	Dibenzo(a,h)anthracene	30	U	190	144	76	139	73	4	58-113/38
206-44-0	Fluoranthene	300	U	380	351	92	345	91	2	64-104/33
86-73-7	Fluorene	300	U	380	318	84	311	82	2	61-99/28
193-39-5	Indeno(1,2,3-cd)pyrene	30	U	190	142	75	136	71	4	59-113/34
90-12-0	1-Methylnaphthalene	300	U	380	291	77	295	77	1	58-98/30
91-57-6	2-Methylnaphthalene	300	U	380	281	74	286	75	2	57-95/31
91-20-3	Naphthalene	300	U	380	280	74	287	75	2	58-94/31
85-01-8	Phenanthrene	300	U	380	330	87	331	87	0	65-100/33
129-00-0	Pyrene	300	U	380	335	88	329	86	2	62-107/37

CAS No.	Surrogate Recoveries	MS	MSD	F76142-48	Limits
4165-60-0	Nitrobenzene-d5	76%	76%	66%	40-105%
321-60-8	2-Fluorobiphenyl	83%	81%	70%	43-107%
1718-51-0	Terphenyl-d14	96%	90%	82%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34208-MS	R24399.D	1	09/03/10	RB	09/01/10	OP34208	SR1195
OP34208-MSD	R24400.D	1	09/03/10	RB	09/01/10	OP34208	SR1195
F76084-3	R24398.D	1	09/03/10	RB	09/01/10	OP34208	SR1195

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-92

CAS No.	Compound	F76084-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.95	U	19.2	16.0	83	15.1	79	6	60-94/25
208-96-8	Acenaphthylene	0.95	U	19.2	16.3	85	15.4	80	6	60-92/24
120-12-7	Anthracene	0.95	U	9.62	8.0	83	8.0	83	0	69-98/19
56-55-3	Benzo(a)anthracene	0.19	U	9.62	8.2	85	8.2	85	0	65-102/23
50-32-8	Benzo(a)pyrene	0.19	U	9.62	8.1	84	8.1	84	0	74-106/23
205-99-2	Benzo(b)fluoranthene	0.19	U	9.62	7.9	82	7.9	82	0	71-104/24
191-24-2	Benzo(g,h,i)perylene	0.19	U	9.62	7.7	80	7.6	79	1	60-104/22
207-08-9	Benzo(k)fluoranthene	0.19	U	9.62	8.0	83	8.0	83	0	70-104/22
218-01-9	Chrysene	0.19	U	9.62	8.0	83	8.0	83	0	69-104/21
53-70-3	Dibenzo(a,h)anthracene	0.19	U	9.62	7.6	79	7.5	78	1	63-107/21
206-44-0	Fluoranthene	0.95	U	19.2	15.7	82	15.7	82	0	70-99/23
86-73-7	Fluorene	0.95	U	19.2	16.3	85	15.8	82	3	62-95/25
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	9.62	7.6	79	7.5	78	1	63-107/24
90-12-0	1-Methylnaphthalene	0.95	U	19.2	15.2	79	13.8	72	10	57-94/26
91-57-6	2-Methylnaphthalene	0.95	U	19.2	14.9	77	13.5	70	10	58-90/23
91-20-3	Naphthalene	0.95	U	19.2	15.4	80	14.2	74	8	58-92/23
85-01-8	Phenanthrene	0.95	U	19.2	16.1	84	16.0	83	1	68-98/23
129-00-0	Pyrene	0.95	U	19.2	16.7	87	16.7	87	0	66-102/25

CAS No.	Surrogate Recoveries	MS	MSD	F76084-3	Limits
4165-60-0	Nitrobenzene-d5	89%	79%		42-108%
321-60-8	2-Fluorobiphenyl	89%	80%		40-106%
1718-51-0	Terphenyl-d14	91%	87%		39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34255-MS	W054196.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
OP34255-MSD	W054197.D	4	09/08/10	RB	09/07/10	OP34255	SW2714
F76142-59	W054195.D	4	09/08/10	RB	09/07/10	OP34255	SW2714

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-81

CAS No.	Compound	F76142-59 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	310	U	384	261	68	262	68	0	61-97/27
208-96-8	Acenaphthylene	310	U	384	264	69	263	69	0	61-95/29
120-12-7	Anthracene	310	U	192	144	75	137	72	5	64-100/24
56-55-3	Benzo(a)anthracene	31	U	192	161	84	146	76	10	63-106/35
50-32-8	Benzo(a)pyrene	31	U	192	152	79	140	73	8	69-107/33
205-99-2	Benzo(b)fluoranthene	31	U	192	160	83	146	76	9	69-107/32
191-24-2	Benzo(g,h,i)perylene	31	U	192	149	78	135	71	10	56-110/37
207-08-9	Benzo(k)fluoranthene	31	U	192	160	83	146	76	9	64-109/34
218-01-9	Chrysene	31	U	192	163	85	148	77	10	64-108/34
53-70-3	Dibenzo(a,h)anthracene	31	U	192	146	76	132	69	10	58-113/38
206-44-0	Fluoranthene	310	U	384	336	87	310	81	8	64-104/33
86-73-7	Fluorene	310	U	384	263	68	260	68	1	61-99/28
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	192	143	74	132	69	8	59-113/34
90-12-0	1-Methylnaphthalene	310	U	384	255	66	259	68	2	58-98/30
91-57-6	2-Methylnaphthalene	310	U	384	245	64	254	66	4	57-95/31
91-20-3	Naphthalene	310	U	384	252	66	257	67	2	58-94/31
85-01-8	Phenanthrene	310	U	384	304	79	291	76	4	65-100/33
129-00-0	Pyrene	310	U	384	321	84	291	76	10	62-107/37

CAS No.	Surrogate Recoveries	MS	MSD	F76142-59	Limits
4165-60-0	Nitrobenzene-d5	71%	70%	70%	40-105%
321-60-8	2-Fluorobiphenyl	74%	73%	75%	43-107%
1718-51-0	Terphenyl-d14	98%	86%	87%	45-119%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19079
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:					09/13/10		09/13/10
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	20	25				
Antimony	6.0	2	2				
Arsenic	10	2	2	-0.70	<10	-0.70	<10
Barium	200	5	5				
Beryllium	4.0	1	1				
Cadmium	5.0	1	1				
Calcium	1000	100	100				
Chromium	10	1	1				
Cobalt	50	1	1				
Copper	25	2	2				
Iron	300	30	35				
Lead	5.0	1	1				
Magnesium	5000	100	100				
Manganese	15	1	1				
Molybdenum	50	1	2				
Nickel	40	1	2				
Potassium	10000	500	500				
Selenium	10	2	2				
Silver	10	1	1				
Sodium	10000	750	750				
Strontium	10	1	1				
Thallium	10	1.5	1.5				
Tin	50	1	1				
Titanium	10	2	2				
Vanadium	50	1	1				
Zinc	20	5	5				

Associated samples MP19079: F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91, F76142-92

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19079
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Metal	F76084-3F Original	DUP	RPD	QC Limits	F76084-3F Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Prep Date:			09/13/10					09/13/10	
Aluminum	anr								
Antimony	anr								
Arsenic	0.0	0.0	NC	0-20	0.0	1770	2000	88.5	80-120
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP19079: F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91, F76142-92

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19079 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 09/13/10

Metal	F76084-3F Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	0.0	1780	2000	89.0	0.6	20
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP19079: F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91, F76142-92

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19079
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/13/10

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	1810	2000	90.5	80-120
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP19079: F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91, F76142-92

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19079
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/13/10

Metal	F76084-3F Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP19079: F76142-84, F76142-85, F76142-86, F76142-87, F76142-88, F76142-89, F76142-90, F76142-91, F76142-92

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19082
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/13/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	1	1		
Antimony	1.0	.1	.1		
Arsenic	0.50	.1	.1	-0.060	<0.50
Barium	10	.25	.5		
Beryllium	0.25	.05	.05		
Cadmium	0.20	.05	.05		
Calcium	250	5	5		
Chromium	0.50	.05	.05		
Cobalt	2.5	.05	.05		
Copper	1.3	.1	.1		
Iron	15	1.5	1.5		
Lead	1.0	.05	.05		
Magnesium	250	5	5		
Manganese	0.75	.05	.05		
Molybdenum	2.5	.05	.05		
Nickel	2.0	.05	.05		
Potassium	500	25	25		
Selenium	1.0	.1	.2		
Silver	0.50	.05	.05		
Sodium	500	38	38		
Strontium	0.50	.05	.05		
Thallium	0.50	.075	.1		
Tin	2.5	.05	.05		
Titanium	0.50	.1	.1		
Vanadium	2.5	.05	.05		
Zinc	1.0	.25	.25		

Associated samples MP19082: F76142-1, F76142-3, F76142-4, F76142-6, F76142-8, F76142-21, F76142-25, F76142-27, F76142-29, F76142-31, F76142-33, F76142-35, F76142-37, F76142-39, F76142-40, F76142-42, F76142-44, F76142-46, F76142-48, F76142-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19082
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Metal	F76142-1 Original	DUP	RPD	QC Limits	F76142-1 Original	MS	Spikelot MPFLICP1 % Rec	QC Limits
Prep Date:			09/13/10				09/13/10	
Aluminum								
Antimony								
Arsenic	1.5	1.4	6.9	0-20	1.5	84.4	94.2	88.0	80-120
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP19082: F76142-1, F76142-3, F76142-4, F76142-6, F76142-8, F76142-21, F76142-25, F76142-27, F76142-29, F76142-31, F76142-33, F76142-35, F76142-37, F76142-39, F76142-40, F76142-42, F76142-44, F76142-46, F76142-48, F76142-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19082 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/13/10

Metal	F76142-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.5	93.8	103	90.0	10.5	20
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP19082: F76142-1, F76142-3, F76142-4, F76142-6, F76142-8, F76142-21, F76142-25, F76142-27, F76142-29, F76142-31, F76142-33, F76142-35, F76142-37, F76142-39, F76142-40, F76142-42, F76142-44, F76142-46, F76142-48, F76142-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19082
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/13/10

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	89.9	100	89.9	80-120
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP19082: F76142-1, F76142-3, F76142-4, F76142-6, F76142-8, F76142-21, F76142-25, F76142-27, F76142-29, F76142-31, F76142-33, F76142-35, F76142-37, F76142-39, F76142-40, F76142-42, F76142-44, F76142-46, F76142-48, F76142-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19082
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/13/10

Metal	F76142-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	31.7	39.1	23.3 (a)	0-10
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP19082: F76142-1, F76142-3, F76142-4, F76142-6, F76142-8, F76142-21, F76142-25, F76142-27, F76142-29, F76142-31, F76142-33, F76142-35, F76142-37, F76142-39, F76142-40, F76142-42, F76142-44, F76142-46, F76142-48, F76142-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/13/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	1	1		
Antimony	1.0	.1	.1		
Arsenic	0.50	.1	.1	-0.085	<0.50
Barium	10	.25	.5		
Beryllium	0.25	.05	.05		
Cadmium	0.20	.05	.05		
Calcium	250	5	5		
Chromium	0.50	.05	.05		
Cobalt	2.5	.05	.05		
Copper	1.3	.1	.1		
Iron	15	1.5	1.5		
Lead	1.0	.05	.05		
Magnesium	250	5	5		
Manganese	0.75	.05	.05		
Molybdenum	2.5	.05	.05		
Nickel	2.0	.05	.05		
Potassium	500	25	25		
Selenium	1.0	.1	.2		
Silver	0.50	.05	.05		
Sodium	500	38	38		
Strontium	0.50	.05	.05		
Thallium	0.50	.075	.1		
Tin	2.5	.05	.05		
Titanium	0.50	.1	.1		
Vanadium	2.5	.05	.05		
Zinc	1.0	.25	.25		

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Metal	F76142-51 Original	DUP	RPD	QC Limits	F76142-51 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Prep Date:			09/13/10					09/13/10	
Aluminum									
Antimony									
Arsenic	42.0	41.8	0.5	0-20	42.0	110	79.1	85.9	80-120
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/13/10

Metal	F76142-51 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	42.0	128	100	85.7	15.1	20
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/13/10

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	87.7	100	87.7	80-120
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/13/10

Metal	F76142-51 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	823	1450	75.9*(a)	0-10
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: F76142
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19083
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/13/10

Metal	Sample ml	Final ml	F76142-51 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic	9.8	10	823	806.54	898.2	0.2	5	100	91.7	-
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP19083: F76142-51, F76142-53, F76142-55, F76142-59, F76142-61, F76142-63, F76142-65, F76142-67, F76142-69, F76142-71, F76142-73, F76142-75, F76142-77, F76142-79, F76142-81, F76142-93, F76142-95

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

09/29/10

Technical Report for

Tetra Tech, NUS

Rails to Trails, FL

112C03039

Accutest Job Number: F76142R

Sampling Dates: 08/23/10 - 08/25/10

Report to:

Tetra Tech, NUS
201 E Pine St Suite 1000
Orlando, FL 32808
james.spalding@tetratech.com

ATTN: JD Spalding

Total number of pages in report: **46**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Accutest Laboratories

Sample Summary

Tetra Tech, NUS

Job No: F76142R

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-2R	08/23/10	14:20	MB	08/27/10	SO	Soil	RTKP-HA01EC-2.0-0810
F76142-7R	08/23/10	15:15	MB	08/27/10	SO	Soil	RTKP-HA01EA-2.0-0810
F76142-9R	08/23/10	15:40	MB	08/27/10	SO	Soil	RTKP-HA01CA-2.0-0810
F76142-16R	08/24/10	09:15	MB	08/27/10	SO	Soil	RTKP-HA02EB-2.0-0810
F76142-24R	08/24/10	09:55	MB	08/27/10	SO	Soil	RTKP-HA03E-2.0-0810
F76142-26R	08/24/10	10:05	MB	08/27/10	SO	Soil	RTKP-HA03CA-2.0-0810
F76142-32R	08/24/10	11:35	MB	08/27/10	SO	Soil	RTKP-HA05CC-2.0-0810
F76142-41R	08/24/10	13:15	MB	08/27/10	SO	Soil	RTKP-HA06CC-2.0-0810
F76142-52R	08/25/10	08:20	MB	08/27/10	SO	Soil	RTKP-HA09EC-2.0-0810
F76142-56R	08/25/10	08:40	MB	08/27/10	SO	Soil	RTKP-HA09EA-2.0-0810
F76142-58R	08/25/10	08:50	MB	08/27/10	SO	Soil	RTKP-HA09W-2.0-0810
F76142-60R	08/25/10	09:00	MB	08/27/10	SO	Soil	RTKP-HA19-2.0-0810
F76142-64R	08/25/10	10:05	MB	08/27/10	SO	Soil	RTKP-HA10EC-2.0-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech, NUS

Job No: F76142R

Rails to Trails, FL
Project No: 112C03039

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F76142-66R	08/25/10	10:15	MB	08/27/10	SO	Soil	RTKP-HA10EB-2.0-0810
F76142-68R	08/25/10	10:25	MB	08/27/10	SO	Soil	RTKP-HA10EA-2.0-0810
F76142-70R	08/25/10	10:35	MB	08/27/10	SO	Soil	RTKP-HA10C-2.0-0810
F76142-80R	08/25/10	11:55	MB	08/27/10	SO	Soil	RTKP-HA11WA-2.0-0810

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01EC-2.0-0810		
Lab Sample ID:	F76142-2R	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.5
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054533.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	84 U	340	84	ug/kg	
208-96-8	Acenaphthylene	84 U	340	84	ug/kg	
120-12-7	Anthracene	42 U	340	42	ug/kg	
56-55-3	Benzo(a)anthracene	17 U	34	17	ug/kg	
50-32-8	Benzo(a)pyrene	17 U	34	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	17 U	34	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	17 U	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	17 U	34	17	ug/kg	
218-01-9	Chrysene	17 U	34	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	34	17	ug/kg	
206-44-0	Fluoranthene	42 U	340	42	ug/kg	
86-73-7	Fluorene	84 U	340	84	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	17 U	34	17	ug/kg	
90-12-0	1-Methylnaphthalene	42 U	340	42	ug/kg	
91-57-6	2-Methylnaphthalene	42 U	340	42	ug/kg	
91-20-3	Naphthalene	42 U	340	42	ug/kg	
85-01-8	Phenanthrene	42 U	340	42	ug/kg	
129-00-0	Pyrene	42 U	340	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	93%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	RTKP-HA01EA-2.0-0810		
Lab Sample ID:	F76142-7R	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	77.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.99	0.51	0.10	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CA-2.0-0810		
Lab Sample ID:	F76142-9R	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	72.6
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054534.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	91 U	360	91	ug/kg	
208-96-8	Acenaphthylene	91 U	360	91	ug/kg	
120-12-7	Anthracene	101	360	46	ug/kg	I
56-55-3	Benzo(a)anthracene	189	36	18	ug/kg	
50-32-8	Benzo(a)pyrene	164	36	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	643	36	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	145	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	231	36	18	ug/kg	
218-01-9	Chrysene	144	36	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	43.2	36	18	ug/kg	
206-44-0	Fluoranthene	282	360	46	ug/kg	I
86-73-7	Fluorene	91 U	360	91	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	195	36	18	ug/kg	
90-12-0	1-Methylnaphthalene	46 U	360	46	ug/kg	
91-57-6	2-Methylnaphthalene	46 U	360	46	ug/kg	
91-20-3	Naphthalene	46 U	360	46	ug/kg	
85-01-8	Phenanthrene	46 U	360	46	ug/kg	
129-00-0	Pyrene	441	360	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		40-105%
321-60-8	2-Fluorobiphenyl	80%		43-107%
1718-51-0	Terphenyl-d14	96%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA01CA-2.0-0810		
Lab Sample ID:	F76142-9R	**Date Sampled:**	08/23/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	72.6
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.56	0.11	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA02EB-2.0-0810		
Lab Sample ID:	F76142-16R	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.9
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054535.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	75 U	300	75	ug/kg	
208-96-8	Acenaphthylene	75 U	300	75	ug/kg	
120-12-7	Anthracene	38 U	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	37.7	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	42.5	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	54.0	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	81.1	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	18.8	30	15	ug/kg	I
218-01-9	Chrysene	47.8	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	57.1	300	38	ug/kg	I
86-73-7	Fluorene	75 U	300	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	54.0	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	300	38	ug/kg	
91-20-3	Naphthalene	38 U	300	38	ug/kg	
85-01-8	Phenanthrene	38 U	300	38	ug/kg	
129-00-0	Pyrene	81.8	300	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		40-105%
321-60-8	2-Fluorobiphenyl	78%		43-107%
1718-51-0	Terphenyl-d14	100%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03E-2.0-0810		
Lab Sample ID:	F76142-24R	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.0
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054536.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	75 U	300	75	ug/kg	
208-96-8	Acenaphthylene	75 U	300	75	ug/kg	
120-12-7	Anthracene	37 U	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	15 U	30	15	ug/kg	
50-32-8	Benzo(a)pyrene	15 U	30	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	15 U	30	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	15 U	30	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	15 U	30	15	ug/kg	
218-01-9	Chrysene	15 U	30	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	30	15	ug/kg	
206-44-0	Fluoranthene	37 U	300	37	ug/kg	
86-73-7	Fluorene	75 U	300	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15 U	30	15	ug/kg	
90-12-0	1-Methylnaphthalene	37 U	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	37 U	300	37	ug/kg	
91-20-3	Naphthalene	37 U	300	37	ug/kg	
85-01-8	Phenanthrene	37 U	300	37	ug/kg	
129-00-0	Pyrene	37 U	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		40-105%
321-60-8	2-Fluorobiphenyl	80%		43-107%
1718-51-0	Terphenyl-d14	99%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA03CA-2.0-0810		
Lab Sample ID:	F76142-26R	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.0
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054537.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	77 U	310	77	ug/kg	
208-96-8	Acenaphthylene	112	310	77	ug/kg	I
120-12-7	Anthracene	96.2	310	39	ug/kg	I
56-55-3	Benzo(a)anthracene	637	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	533	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	581	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	310	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	195	31	15	ug/kg	
218-01-9	Chrysene	763	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	82.1	31	15	ug/kg	
206-44-0	Fluoranthene	548	310	39	ug/kg	
86-73-7	Fluorene	77 U	310	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	300	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	39 U	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	39 U	310	39	ug/kg	
91-20-3	Naphthalene	39 U	310	39	ug/kg	
85-01-8	Phenanthrene	201	310	39	ug/kg	I
129-00-0	Pyrene	1120	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		40-105%
321-60-8	2-Fluorobiphenyl	79%		43-107%
1718-51-0	Terphenyl-d14	98%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA05CC-2.0-0810		
Lab Sample ID:	F76142-32R	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	85.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.52	0.10	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA06CC-2.0-0810		
Lab Sample ID:	F76142-41R	**Date Sampled:**	08/24/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	70.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	21.5	0.71	0.14	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EC-2.0-0810		
Lab Sample ID:	F76142-52R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	88.5
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	62.6	0.50	0.099	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EA-2.0-0810		
Lab Sample ID:	F76142-56R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.8
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054538.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	81 U	320	81	ug/kg	
208-96-8	Acenaphthylene	81.1	320	81	ug/kg	I
120-12-7	Anthracene	53.1	320	40	ug/kg	I
56-55-3	Benzo(a)anthracene	333	32	16	ug/kg	
50-32-8	Benzo(a)pyrene	382	32	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	456	32	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	232	32	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	128	32	16	ug/kg	
218-01-9	Chrysene	390	32	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	56.4	32	16	ug/kg	
206-44-0	Fluoranthene	296	320	40	ug/kg	I
86-73-7	Fluorene	81 U	320	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	229	32	16	ug/kg	
90-12-0	1-Methylnaphthalene	40 U	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	40 U	320	40	ug/kg	
91-20-3	Naphthalene	40 U	320	40	ug/kg	
85-01-8	Phenanthrene	113	320	40	ug/kg	I
129-00-0	Pyrene	549	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		40-105%
321-60-8	2-Fluorobiphenyl	66%		43-107%
1718-51-0	Terphenyl-d14	88%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09EA-2.0-0810		
Lab Sample ID:	F76142-56R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	82.8
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	14.1	0.55	0.11	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA09W-2.0-0810		
Lab Sample ID:	F76142-58R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.2
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054539.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	73 U	290	73	ug/kg	
208-96-8	Acenaphthylene	73 U	290	73	ug/kg	
120-12-7	Anthracene	37 U	290	37	ug/kg	
56-55-3	Benzo(a)anthracene	100	29	15	ug/kg	
50-32-8	Benzo(a)pyrene	102	29	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	122	29	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	60.5	29	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	34.0	29	15	ug/kg	
218-01-9	Chrysene	122	29	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	29	15	ug/kg	
206-44-0	Fluoranthene	109	290	37	ug/kg	I
86-73-7	Fluorene	73 U	290	73	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	57.6	29	15	ug/kg	
90-12-0	1-Methylnaphthalene	37 U	290	37	ug/kg	
91-57-6	2-Methylnaphthalene	37 U	290	37	ug/kg	
91-20-3	Naphthalene	37 U	290	37	ug/kg	
85-01-8	Phenanthrene	65.5	290	37	ug/kg	I
129-00-0	Pyrene	191	290	37	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		40-105%
321-60-8	2-Fluorobiphenyl	67%		43-107%
1718-51-0	Terphenyl-d14	96%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA19-2.0-0810		
Lab Sample ID:	F76142-60R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	91.1
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.8	0.36	0.073	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EC-2.0-0810		
Lab Sample ID:	F76142-64R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.1
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054540.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	77 U	310	77	ug/kg	
208-96-8	Acenaphthylene	77 U	310	77	ug/kg	
120-12-7	Anthracene	38 U	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	83.9	31	15	ug/kg	
50-32-8	Benzo(a)pyrene	97.2	31	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	107	31	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	53.6	31	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	31.3	31	15	ug/kg	
218-01-9	Chrysene	97.5	31	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	15 U	31	15	ug/kg	
206-44-0	Fluoranthene	88.4	310	38	ug/kg	I
86-73-7	Fluorene	77 U	310	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	52.6	31	15	ug/kg	
90-12-0	1-Methylnaphthalene	38 U	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	38 U	310	38	ug/kg	
91-20-3	Naphthalene	38 U	310	38	ug/kg	
85-01-8	Phenanthrene	49.1	310	38	ug/kg	I
129-00-0	Pyrene	158	310	38	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		40-105%
321-60-8	2-Fluorobiphenyl	71%		43-107%
1718-51-0	Terphenyl-d14	97%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EB-2.0-0810		
Lab Sample ID:	F76142-66R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	74.4
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054541.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	91 U	360	91	ug/kg	
208-96-8	Acenaphthylene	91 U	360	91	ug/kg	
120-12-7	Anthracene	46 U	360	46	ug/kg	
56-55-3	Benzo(a)anthracene	33.3	36	18	ug/kg	I
50-32-8	Benzo(a)pyrene	38.4	36	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	41.3	36	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	21.9	36	18	ug/kg	I
207-08-9	Benzo(k)fluoranthene	18 U	36	18	ug/kg	
218-01-9	Chrysene	38.9	36	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18 U	36	18	ug/kg	
206-44-0	Fluoranthene	46 U	360	46	ug/kg	
86-73-7	Fluorene	91 U	360	91	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19.9	36	18	ug/kg	I
90-12-0	1-Methylnaphthalene	46 U	360	46	ug/kg	
91-57-6	2-Methylnaphthalene	46 U	360	46	ug/kg	
91-20-3	Naphthalene	46 U	360	46	ug/kg	
85-01-8	Phenanthrene	46 U	360	46	ug/kg	
129-00-0	Pyrene	58.1	360	46	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		40-105%
321-60-8	2-Fluorobiphenyl	64%		43-107%
1718-51-0	Terphenyl-d14	82%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10EA-2.0-0810		
Lab Sample ID:	F76142-68R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	80.4
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054542.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	83 U	330	83	ug/kg	
208-96-8	Acenaphthylene	83 U	330	83	ug/kg	
120-12-7	Anthracene	41 U	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	109	33	17	ug/kg	
50-32-8	Benzo(a)pyrene	134	33	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	176	33	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	70.3	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	52.3	33	17	ug/kg	
218-01-9	Chrysene	128	33	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17 U	33	17	ug/kg	
206-44-0	Fluoranthene	126	330	41	ug/kg	I
86-73-7	Fluorene	83 U	330	83	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	74.3	33	17	ug/kg	
90-12-0	1-Methylnaphthalene	41 U	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	41 U	330	41	ug/kg	
91-20-3	Naphthalene	41 U	330	41	ug/kg	
85-01-8	Phenanthrene	59.8	330	41	ug/kg	I
129-00-0	Pyrene	187	330	41	ug/kg	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		40-105%
321-60-8	2-Fluorobiphenyl	70%		43-107%
1718-51-0	Terphenyl-d14	89%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA10C-2.0-0810		
Lab Sample ID:	F76142-70R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	79.5
Project:	Rails to Trails, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W054545.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	82 U	330	82	ug/kg	
208-96-8	Acenaphthylene	346	330	82	ug/kg	
120-12-7	Anthracene	209	330	41	ug/kg	I
56-55-3	Benzo(a)anthracene	851	33	16	ug/kg	
50-32-8	Benzo(a)pyrene	1720	33	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	2910	33	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1080	33	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	914	33	16	ug/kg	
218-01-9	Chrysene	1240	33	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	263	33	16	ug/kg	
206-44-0	Fluoranthene	653	330	41	ug/kg	
86-73-7	Fluorene	82 U	330	82	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1240	33	16	ug/kg	
90-12-0	1-Methylnaphthalene	41 U	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	41 U	330	41	ug/kg	
91-20-3	Naphthalene	41 U	330	41	ug/kg	
85-01-8	Phenanthrene	69.1	330	41	ug/kg	I
129-00-0	Pyrene	893	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		40-105%
321-60-8	2-Fluorobiphenyl	76%		43-107%
1718-51-0	Terphenyl-d14	99%		45-119%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RTKP-HA11WA-2.0-0810		
Lab Sample ID:	F76142-80R	**Date Sampled:**	08/25/10
Matrix:	SO - Soil	**Date Received:**	08/27/10
		Percent Solids:	73.9
Project:	Rails to Trails, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.2	0.45	0.089	mg/kg	1	09/24/10	09/24/10	DM	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA8406
(2) Prep QC Batch: MP19180

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 2763 F76142 PAGE 1 OF 10

PROJECT NO: 112CO3039	FACILITY: Rails to Trails	PROJECT MANAGER JD Spalding	PHONE NUMBER 407 480-3941
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER JD Spalding	PHONE NUMBER Same
		CARRIER/WAYBILL NUMBER	

LABORATORY NAME AND CONTACT: Accutest
ADDRESS 4405 Vineland Rd Ste C15
CITY, STATE Orlando, FL 32811

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: —

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: D8270 SIMPAH	TYPE OF ANALYSIS: PYS Sim C							COMMENTS
1	8/23	1415	RTKP-HA01EC-0.5-0810	HA01EC	0	0.5	SO	G	1	✓	✓							
2		1420	RTKP-HA01EC-2.0-0810	HA01EC	0.5	2.0				✓	✓							
3		1425	RTKP-HA01CC-0.5-0810	HA01CC	0	0.5				✓	✓							
	MB		~~RTKP-HA01CC-2.0-0810~~	~~HA01CC~~	~~0.5~~	~~2.0~~				✓	✓							
4		1445	RTKP-HA01EB-0.5-0810	HA01EB	0	0.5				✓	✓							
5		1450	RTKP-HA01EB-2.0-0810	HA01EB	0.5	2.0				✓	✓							
6		1510	RTKP-HA01EA-0.5-0810	HA01EA	0	0.5				✓	✓							
7		1515	RTKP-HA01EA-2.0-0810	HA01EA	0.5	2.0				✓	✓							
8		1535	RTKP-HA01CA-0.5-0810	HA01CA	0	0.5				✓	✓							
9		1540	RTKP-HA01CA-2.0-0810	HA01CA	0.5	2.0				✓	✓							
10		1600	RTKP-HA01W-0.5-0810	HA01W	0	0.5				✓								
11		1605	RTKP-HA01W-2.0-0810	HA01W	0.5	2				✓								
12		1610	RTKP-HA01W-4.0-0810	HA01W	2	4				✓								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	8/26/10	1545	1. RECEIVED BY 8/26/10	/	1545
2. RELINQUISHED BY	8/26/10	1752	2. RECEIVED BY Accutest	0827W	0710
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TINUS-001

F76142R: Chain of Custody
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TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 2764 F76142 PAGE 2 OF 10

PROJECT NO: 112C03039	FACILITY: Ralston Trails	PROJECT MANAGER: JD Spalding	PHONE NUMBER: 407 480 3941
SAMPLERS (SIGNATURE): M Brock		FIELD OPERATIONS LEADER: JD Spalding	PHONE NUMBER: same
		CARRIER/WAYBILL NUMBER	

LABORATORY NAME AND CONTACT: Accutest
ADDRESS: 4405 Vineland Rd Ste C15
CITY, STATE: Orlando FL 32811

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: —

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: 6270 SIMPAH	6010 ARSENIC	COMMENTS
14	8/24	0900	RTKP-HA02EC-0.5-0810	HA02EC	0	0.5	SO	G	1	✓		
15		0905	RTKP-HA02EC-2.0-0810	HA02EC	0.5	2.0				✓		
16		0910	RTKP-HA02EB-0.5-0810	HA02EB	0	0.5				✓		
17		0915	RTKP-HA02EB-2.0-0810	HA02EB	0.5	2.0				✓		
18		0920	RTKP-HA02EA-0.5-0810	HA02EA	0	0.5				✓		
19		0925	RTKP-HA02EA-2.0-0810	HA02EA	0.5	2.0				✓		
20		0930	RTKP-HA02C-0.5-0810	HA02C	0	0.5				✓		
21		0935	RTKP-HA02C-2.0-0810	HA02C	0.5	2.0				✓		
22		0940	RTKP-HA03CC-0.5-0810	HA03CC	0	0.5				✓	✓	
23		0945	RTKP-HA03CC-2.0-0810	HA03CC	0.5	2.0				✓	✓	
24		0950	RTKP-HA03E-0.5-0810	HA03E	0	0.5				✓		
25		0955	RTKP-HA03E-2.0-0810	HA03E	0.5	2.0				✓		
		1000	RTKP-HA03CA-0.5-0810	HA03CA	0	0.5				✓	✓	
		1005	RTKP-HA03CA-2.0-0810	HA03CA	0.5	2.0				✓	✓	
		~~1015~~	~~RTKP-HA04CC-0.5-0810~~	~~HA04CC~~	~~0~~	~~0.5~~					✓	
		~~1020~~	~~RTKP-HA04CC-2.0-0810~~	~~HA04CC~~	~~0.5~~	~~2.0~~					✓	
		~~1025~~	~~RTKP-HA04CA-0.5-0810~~	~~HA04CA~~	~~0~~	~~0.5~~					✓	
		~~1030~~	~~RTKP-HA04CA-2.0-0810~~	~~HA04CA~~	~~0.5~~	~~2.0~~					✓	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: M Brock	8/26/10	1545	1. RECEIVED BY: [signature]	8/26/10	1546
2. RELINQUISHED BY: [signature]	8/26/10	1754	2. RECEIVED BY: [signature]	08/27/10	0800
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TtNUS-001

F76142R: Chain of Custody
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TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER 2766 F76142 PAGE 3 OF 6

PROJECT NO: W2C03039 | FACILITY: Ralston Trails

SAMPLERS (SIGNATURE): [signature]

PROJECT MANAGER: JD Spalding | PHONE NUMBER:

FIELD OPERATIONS LEADER: JD Spalding | PHONE NUMBER:

CARRIER/WAYBILL NUMBER:

LABORATORY NAME AND CONTACT: Accutest

ADDRESS:

CITY, STATE:

STANDARD TAT ☑
RUSH TAT ☐ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G

PRESERVATIVE USED: —

TYPE OF ANALYSIS: 8270 SIM PAH; Arsenic

	DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	8270 SIM PAH	Arsenic	COMMENTS
27	8/24	1015	RTKP-HA04CC-0.5-0810	HA04CC	0	0.5	SO	G	1	✓		
28		1020	RTKP-HA04CC-2.0-0810	HA04CC	0.5	2.0				✓		
29		1025	RTKP-HA04CA-0.5-0810	HA04CA	0	0.5				✓		
30		1030	RTKP-HA04CA-2.0-0810	HA04CA	0.5	2.0				✓		
31		1130	RTKP-HA05CC-0.5-0810	HA05CC	0	0.5				✓		
32		1135	RTKP-HA05CC-2.0-0810		0.5	2.0				✓		
33		1140	RTKP-HA05CA-0.5-0810	HA05CA	0	0.5				✓		
34		1145	RTKP-HA05CA-2.0-0810		0.5	2.0				✓		
35		1150	RTKP-HA05WC-0.5-0810	HA05WC	0	0.5				✓		
36		1155	RTKP-HA05WC-2.0-0810		0.5	2.0				✓		
37		1200	RTKP-HA05WD-0.5-0810	HA05WD	0	0.5				✓		
38		1205	RTKP-HA05WD-2.0-0810		0.5	2.0				✓		
39		1210	RTKP-HA05WA-0.5-0810	HA05WA	0	0.5				✓		
		~~1215~~	~~RTKP-HA05WA-2.0-0810~~		0.5	2.0				✓	MAB	not collected
40		1310	RTKP-HA06CC-0.5-0810	HA06CC	0	0.5				✓		
41		1315	RTKP-HA06CC-2.0-0810		0.5	2.0				✓		
42		1320	RTKP-HA06CA-0.5-0810	HA06CA	0	0.5				✓		
43		1325	RTKP-HA06CA-2.0-0810		0.5	2.0				✓		
44		1345	RTKP-HA08CC-0.5-0810	HA08CC	0	0.5			✓	✓		
45		1350	RTKP-HA08CC-2.0-0810		0.5	2.0			✓	✓		
46		1355	RTKP-HA08CA-0.5-0810	HA08CA	0	0.5			✓	✓		
47		1400	RTKP-HA08CA-2.0-0810		0.5	2.0			✓	✓		
93	8/25	1405	RTKP-HA16A-0.5-0810	HA16A	0	0.5			✓	✓		
94	8/25	1410	RTKP-HA16A-2.0-0810		0.5	2.0			✓	✓		
95	8/25	1415	RTKP-HA16B-0.5-0810	HA16B	0	0.5			✓	✓		
96	8/25	1420	RTKP-HA16B-2.0-0810		0.5	2.0	✓	✓	✓	✓		

		DATE	TIME		DATE	TIME
1. RELINQUISHED BY: [signature]		8/25/10	1545	1. RECEIVED BY: [signature]	8/26/10	1545
2. RELINQUISHED BY: [signature]		8/26/10	1752	2. RECEIVED BY: [signature]	8/27/10	[illegible]
3. RELINQUISHED BY:		DATE	TIME	3. RECEIVED BY:	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TtNUS-001

F76142R: Chain of Custody
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TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2767 F76142 PAGE 4 OF 6

PROJECT NO: 112C03039	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT: Accutest
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		CARRIER/WAYBILL NUMBER		CITY, STATE

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: —

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: 8270 SIMPAH	Arsenic							COMMENTS
48 8/24	1405	RTKP-HA16D-0.5-0810	HA16D	0	0.5	SO	G	1	✓	✓							
49	1410	RTKP-HA16D-2.0-0810		0.5	2.0				✓	✓							
50 8/24	1435	RTKP-HA16C-0.5-0810	HA16C	0	0.5				✓	✓							
	~~1440~~	~~RTKP-HA16C-2.0-0810~~		~~0.5~~	~~2.0~~				✓	✓							no not collected
51 8/25	0815	RTKP-HA09EC-0.5-0810	HA09EC	0	0.5				✓	✓							
52	0820	RTKP-HA09EC-2.0-0810		0.5	2.0				✓	✓							
53	0825	RTKP-HA09EB-0.5-0810	HA09EB	0	0.5				✓	✓							
54	0830	RTKP-HA09EB-2.0-0810		0.5	2.0				✓	✓							
55	0835	RTKP-HA09EA-0.5-0810	HA09EA	0	0.5				✓	✓							
56	0840	RTKP-HA09EA-2.0-0810		0.5	2.0				✓	✓							
57	0845	RTKP-HA09W-0.5-0810	HA09W	0	0.5				✓								
58	0850	RTKP-HA09W-2.0-0810		0.5	2.0				✓								
59	0855	RTKP-HA19-0.5-0810	HA19	0	0.5				✓	✓							
60	0900	RTKP-HA19-2.0-0810		0.5	2.0				✓	✓							
61	0900	RTKP-FD01-0810	—	—	—				✓	✓							
62	0905	RTKP-HA09W-0.5MS-0810	HA09W	0.5	2.0				✓	✓							
63	0910	RTKP-HA09W-0.5MSD-0810	HA09W	0.5	2.0				✓	✓							
64	1000	RTKP-HA10EC-0.5-0810	HA10EC	0	0.5				✓	✓							
65	1005	RTKP-HA10EC-2.0-0810	HA10EC	0.5	2.0				✓	✓							
66	1010	RTKP-HA10EB-0.5-0810	HA10EB	0	0.5				✓	✓							
67	1015	RTKP-HA10EB-2.0-0810	HA10EB	0.5	2.0				✓	✓							
68	1020	RTKP-HA10EA-0.5-0810	HA10EA	0	0.5				✓	✓							
69	1025	RTKP-HA10EA-2.0-0810	HA10EA	0.5	2.0				✓	✓							
70	1030	RTKP-HA10C-0.5-0810	HA10C	0	0.5				✓	✓							
71	1035	RTKP-HA10C-2.0-0810	HA10C	0.5	2.0				✓	✓							

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: M Brown	8/26/10	1545	1. RECEIVED BY: [signature]	8/26/10	1547
2. RELINQUISHED BY: [signature]	8/26/10	1547	2. RECEIVED BY: [signature] Accutest	8/27/10	[illegible]
3. RELINQUISHED BY:			3. RECEIVED BY:		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

F76142R: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F76142 PAGE 5 OF 6
Accutest Quote # SDG # 35134

Client / Reporting Information

Company Name
Address
City State Zip
Project Contact: JD Spalding E-mail
Phone#
Sampler(s) Name(s) (Printed): M Brock / JD Spalding

Project Information

Project Name: RTKP
Street
City State
Project # 112C03039
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	8270 SIM PAH	Arsenic
71	RTKP-HA11EC-0.5-0810	8/25	1110	MB	SO	1											✓
72	RTKP-HA11EC-2.0-0810		1115			1											✓
73	RTKP-HA11EB-0.5-0810		1120			1											✓
74	RTKP-HA11EB-2.0-0810		1125			1											✓
75	RTKP-HA11EA-0.5-0810		1130			1											✓
76	RTKP-HA11EA-2.0-0810		1135			1											✓
77	RTKP-HA11WC-0.5-0810		1140			1											✓
78	RTKP-HA11WC-2.0-0810		1145			1											✓
79	RTKP-HA11WA-0.5-0810		1150			1											✓
80	RTKP-HA11WA-2.0-0810		1155			1											✓
	~~RTKP-HA06~~ MB					1											
81	RTKP-HA18-0.5-0810		1430			1										✓	✓

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	8/26/10 1545	2 8/26/10 1545	3 8/26/10	1746	4
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: _____

3.1 3

F76142R: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

ACCUTEST.

Accutest JOB # F76142 PAGE 6 OF 6
Accutest Quote # SKIEF

Client / Reporting Information

Company Name
Address 112C03039
City State Zip
Project Contact E-mail
Phone#
Sampler(s) Name(s) (Printed)

Project Information

Project Name:
Street
City State
Project #
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE (Iced)	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	8270 SIMPAH	Arsenic	LAB USE ONLY
82	RTKP-HA18-2.0-0810	8/25	1435	MB	SO	1		1								✓	✓	
83	RTKP-HA18-4.0-0810	8/25	1440	MB	SO	1		1								✓	✓	
84	RTKP-MW01-0810	8/26	0820	MB	GW	3		✓			✓					✓	✓	
85	RTKP-MW02-0810	8/26	1115	MB	GW	3		✓			✓					✓	✓	
86	RTKP-MW03-0810	8/26	1430	MB	GW	3		✓			✓					✓	✓	
87	RTKP-MW05-0810	8/26	1400	MB	GW	3		✓			✓					✓	✓	
88	RTKP-~~FD~~ MW04 0810D	8/26	—	MB	GW	3		✓			✓					✓	✓	
89	RTKP-MW04-0810	8/26	1501	MB	GW	3		✓			✓					✓	✓	
90	RB-8-23-10	8/23	1700	MB	QA	3		✓			✓					✓	✓	
91	RB-8-24-10	8/24	1700	MB	QA	3		✓			✓					✓	✓	
92	RB-8-25-10	8/25	1700	MB	QA	3		✓			✓					✓	✓	

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	8/26/10 1545	2 [signature] 8/26/10 1547	3 [signature] 8/26/10	1742	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8 [signature] 08/27/10

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

F76142R: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F76142 CLIENT: TetraTech PROJECT: 112 G03039

DATE/TIME RECEIVED: 08 27 10 0800 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 5

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +.6
- [ ] OBSERVED TEMPS: 2.4 3.0 3.4 2.8 1.0
- [ ] CORRECTED TEMPS: 3.0 3.6 4.0 3.4 1.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE ET 082710 REVIEWER SIGNATURE/DATE JC 08-27-10

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

F76142R: Chain of Custody

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Job Change Order: F76142_9/15/2010

Requested Date:	9/15/2010	**Received Date:**	8/27/2010
Account Name:	Tetra Tech, NUS	**Due Date:**	9/10/2010
Project Description:	Rails to Trails, FL	**Deliverable:**	COMMB
CSR:	HW	**TAT (Days):**	14

Sample #: F76142-2 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA01EC-2.0-0810

Sample #: F76142-7 **Change:** Per client request please relog sample for As

RTKP-HA01EA-2.0-0810

Sample #: F76142-9 **Change:** Per client request please relog sample for B8270SIMPAH, As

RTKP-HA01CA-2.0-0810

Sample #: F76142-16 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA02EB-2.0-0810

Sample #: F76142-24 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA03E-2.0-0810

Sample #: F76142-26 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA03CA-2.0-0810

Above Changes J.D. Spalding- Tetra Tech **Date:** 9/15/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Job Change Order: F76142_9/15/2010

Requested Date:	9/15/2010	**Received Date:**	8/27/2010
Account Name:	Tetra Tech, NUS	**Due Date:**	9/10/2010
Project Description:	Rails to Trails, FL	**Deliverable:**	COMMB
CSR:	HW	**TAT (Days):**	14

Sample #: F76142-32 **Change:** Per client request please relog sample for As

RTKP-HA05CC-2.0-0810

Sample #: F76142-41 **Change:** Per client request please relog sample for As

RTKP-HA06CC-2.0-0810

Sample #: F76142-52 **Change:** Per client request please relog sample for As

RTKP-HA09EC-2.0-0810

Sample #: F76142-56 **Change:** Per client request please relog sample for B8270SIMPAH, As

RTKP-HA09EA-2.0-0810

Sample #: F76142-58 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA09W-2.0-0810

Sample #: F76142-60 **Change:** Per client request please relog sample for As

RTKP-HA19-2.0-0810

Above Changes J.D. Spalding- Tetra Tech **Date:** 9/15/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Job Change Order: F76142_9/15/2010

Requested Date:	9/15/2010	**Received Date:**	8/27/2010
Account Name:	Tetra Tech, NUS	**Due Date:**	9/10/2010
Project Description:	Rails to Trails, FL	**Deliverable:**	COMMB
CSR:	HW	**TAT (Days):**	14

Sample #: F76142-64 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA10EC-2.0-0810

Sample #: F76142-66 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA10EB-2.0-0810

Sample #: F76142-68 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA10EA-2.0-0810

Sample #: F76142-70 **Change:** Per client request please relog sample for B8270SIMPAH

RTKP-HA10C-2.0-0810

Sample #: F76142-80 **Change:** Per client request please relog sample for As

RTKP-HA11WA-2.0-0810

Above Changes J.D. Spalding- Tetra Tech **Date:** 9/15/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F76142R
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34356-MB	W054532.D	1	09/27/10	RB	09/16/10	OP34356	SW2726

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-2R, F76142-9R, F76142-16R, F76142-24R, F76142-26R, F76142-56R, F76142-58R, F76142-64R, F76142-66R, F76142-68R, F76142-70R

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	67	17	ug/kg	
208-96-8	Acenaphthylene	ND	67	17	ug/kg	
120-12-7	Anthracene	ND	67	8.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	3.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	3.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	3.3	ug/kg	
218-01-9	Chrysene	ND	6.7	3.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	3.3	ug/kg	
206-44-0	Fluoranthene	ND	67	8.3	ug/kg	
86-73-7	Fluorene	ND	67	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	3.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	67	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	8.3	ug/kg	
91-20-3	Naphthalene	ND	67	8.3	ug/kg	
85-01-8	Phenanthrene	ND	67	8.3	ug/kg	
129-00-0	Pyrene	ND	67	8.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	87%	40-105%
321-60-8	2-Fluorobiphenyl	75%	43-107%
1718-51-0	Terphenyl-d14	99%	45-119%

Blank Spike Summary

Job Number: F76142R
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34356-BS	W054531.D	1	09/27/10	RB	09/16/10	OP34356	SW2726

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-2R, F76142-9R, F76142-16R, F76142-24R, F76142-26R, F76142-56R, F76142-58R, F76142-64R, F76142-66R, F76142-68R, F76142-70R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	333	263	79	61-97
208-96-8	Acenaphthylene	333	287	86	61-95
120-12-7	Anthracene	167	141	85	64-100
56-55-3	Benzo(a)anthracene	167	144	86	63-106
50-32-8	Benzo(a)pyrene	167	143	86	69-107
205-99-2	Benzo(b)fluoranthene	167	156	94	69-107
191-24-2	Benzo(g,h,i)perylene	167	112	67	56-110
207-08-9	Benzo(k)fluoranthene	167	155	93	64-109
218-01-9	Chrysene	167	145	87	64-108
53-70-3	Dibenzo(a,h)anthracene	167	119	71	58-113
206-44-0	Fluoranthene	333	274	82	64-104
86-73-7	Fluorene	333	285	86	61-99
193-39-5	Indeno(1,2,3-cd)pyrene	167	117	70	59-113
90-12-0	1-Methylnaphthalene	333	245	74	58-98
91-57-6	2-Methylnaphthalene	333	248	74	57-95
91-20-3	Naphthalene	333	248	74	58-94
85-01-8	Phenanthrene	333	275	83	65-100
129-00-0	Pyrene	333	290	87	62-107

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	92%	40-105%
321-60-8	2-Fluorobiphenyl	79%	43-107%
1718-51-0	Terphenyl-d14	89%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F76142R
Account: TETRFLO Tetra Tech, NUS
Project: Rails to Trails, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34356-MS	W054543.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
OP34356-MSD	W054544.D	4	09/27/10	RB	09/16/10	OP34356	SW2726
F76142-68R [a]	W054542.D	4	09/27/10	RB	09/16/10	OP34356	SW2726

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F76142-2R, F76142-9R, F76142-16R, F76142-24R, F76142-26R, F76142-56R, F76142-58R, F76142-64R, F76142-66R, F76142-68R, F76142-70R

CAS No.	Compound	F76142-68R ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	330 U		409	331	81	340	83	3	61-97/27
208-96-8	Acenaphthylene	330 U		409	400	98*	442	108*	10	61-95/29
120-12-7	Anthracene	330 U		205	208	102*	266	130*	24	64-100/24
56-55-3	Benzo(a)anthracene	109		205	287	87	534	207*	60*	63-106/35
50-32-8	Benzo(a)pyrene	134		205	325	93	499	178*	42*	69-107/33
205-99-2	Benzo(b)fluoranthene	176		205	354	87	539	177*	41*	69-107/32
191-24-2	Benzo(g,h,i)perylene	70.3		205	193	60	269	97	33	56-110/37
207-08-9	Benzo(k)fluoranthene	52.3		205	240	92	314	128*	27	64-109/34
218-01-9	Chrysene	128		205	303	86	574	217*	62*	64-108/34
53-70-3	Dibenzo(a,h)anthracene	33 U		205	157	77	182	89	15	58-113/38
206-44-0	Fluoranthene	126	I	409	470	84	795	163*	51*	64-104/33
86-73-7	Fluorene	330 U		409	351	86	392	95	11	61-99/28
193-39-5	Indeno(1,2,3-cd)pyrene	74.3		205	214	68	296	108	32	59-113/34
90-12-0	1-Methylnaphthalene	330 U		409	328	80	353	86	7	58-98/30
91-57-6	2-Methylnaphthalene	330 U		409	333	81	350	85	5	57-95/31
91-20-3	Naphthalene	330 U		409	338	83	351	86	4	58-94/31
85-01-8	Phenanthrene	59.8	I	409	408	85	818	185*	67*	65-100/33
129-00-0	Pyrene	187	I	409	551	89	1150	235*	70*	62-107/37

CAS No.	Surrogate Recoveries	MS	MSD	F76142-68R	Limits
4165-60-0	Nitrobenzene-d5	96%	98%	77%	40-105%
321-60-8	2-Fluorobiphenyl	82%	84%	70%	43-107%
1718-51-0	Terphenyl-d14	96%	103%	89%	45-119%

(a) Sample extracted beyond hold time.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/24/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	1	1		
Antimony	1.0	.1	.1		
Arsenic	0.50	.1	.1	-0.14	<0.50
Barium	10	.25	.5		
Beryllium	0.25	.05	.05		
Cadmium	0.20	.05	.05		
Calcium	250	5	5		
Chromium	0.50	.05	.05		
Cobalt	2.5	.05	.05		
Copper	1.3	.1	.1		
Iron	15	1.5	1.5		
Lead	1.0	.05	.05		
Magnesium	250	5	5		
Manganese	0.75	.05	.05		
Molybdenum	2.5	.05	.05		
Nickel	2.0	.05	.05		
Potassium	500	25	25		
Selenium	1.0	.1	.2		
Silver	0.50	.05	.05		
Sodium	500	38	38		
Strontium	0.50	.05	.05		
Thallium	0.50	.075	.1		
Tin	2.5	.05	.05		
Titanium	0.50	.1	.1		
Vanadium	2.5	.05	.05		
Zinc	1.0	.25	.25		

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:			09/24/10					09/24/10	
Metal	F76742-7 Original	DUP	RPD	QC Limits	F76742-7 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	9.3	10	7.3	0-20	9.3	82.6	95.4	76.8N(a)	80-120
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/24/10

Metal	F76742-7 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	9.3	70.5	82	74.7N(a)	15.8	20
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/24/10

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	90.4	100	90.4	80-120
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/24/10

Metal	F76742-7 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	210	234	11.6*(a)	0-10
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: F76142R
Account: TETRFLO - Tetra Tech, NUS
Project: Rails to Trails, FL

QC Batch ID: MP19180
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/24/10

Metal	Sample ml	Final ml	F76742-7 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic	9.8	10	210	205.8	288.2	0.2	5	100	82.4	-
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP19180: F76142-7R, F76142-9R, F76142-32R, F76142-41R, F76142-52R, F76142-56R, F76142-60R, F76142-80R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested