



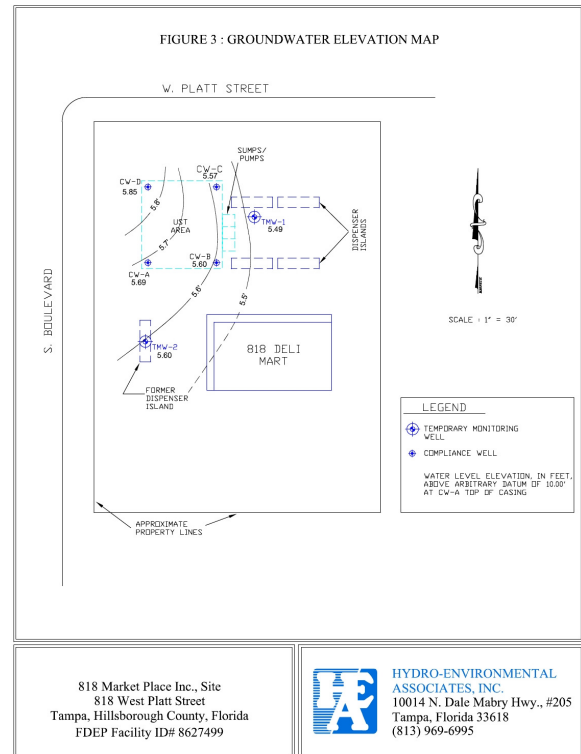
**Gaydos Hydro Services, LLC**  
**PO Box 55802**  
**St. Petersburg, FL 33732-5802**  
**727-667-6786**

## HEA - 818 Market Place, Inc.

### Soil and Groundwater Sampling

Gaydos Hydro Services, LLC (GHS) was contracted to provide groundwater sampling services at an existing gas station in Tampa, Florida. The groundwater sampling was part of the Low-Scored Site Initiative (LSSI) preapproval program for the Florida Department of Environmental Protection. The objectives of this study were to evaluate the current soil and groundwater conditions present in proximity of the existing fuel dispensers, former fuel dispenser, and underground storage tank (UST) system and compare the results with data collected previously from the subject site. The previous data included a Phase I and Limited Phase II Environmental Site Assessment (ESA).

The SA included the collection of five (5) soil samples and six (6) groundwater samples for laboratory analysis from a total of 17 soil borings and two (2) temporary monitoring wells installed on the subject site. Soil samples were visually evaluated for contamination using odor and appearance as criteria, and were also described for soil type using the Unified Soil Classification System, however, no physical soils testing was conducted in determining the physical soil descriptions. The qualitative analysis of



BORING NO.	DEPTH TO WATER	SAMPLE INTERVAL (Ft.BGS)	TOV READING (ppm)	LITHOLOGY / COMMENTS
SB-16	4.0	0-1.0	0.1	Concrete to 6" medium brown fine sand, dry, compacted (SP)
		1.0-2.0	0.1	Same as above
		2.0-3.0	8.8	Same as above, slight odor, collect soil sample at 3 feet
		3.0-4.0	0.6	Dark gray clayey fine sand (SM), moist
		4.0-5.0	0.1	Medium brown fine sand (SP), saturated
		5.0-6.0	0.1	Dark gray fine sand (SP), saturated
		6.0-7.0	0.1	Same as above
SB-17	4.0	0-1.0	0.1	Concrete to 6" medium brown fine sand, dry, compacted (SP)
		1.0-2.0	0.0	Same as above
		2.0-3.0	0.2	Medium brown clay (CL), dry, no odor
		3.0-4.0	27.0	Medium brown sandy clay (CL), moist, slight petroleum odor
		4.0-5.0	5.8	Dark brown and medium gray fine sand (SP), saturated, slight petroleum odor
		5.0-6.0	6.3	Same as above
		6.0-7.0	1.7	Medium brown fine sand (SP), saturated
	7.0-8.0	1.8	Same as above	

Note:  
 Soil samples were collected using a hand auger to four (4) feet and direct push sampler to total depth.  
 Total Organic Vapor (TOV) readings were measured with a MairRAE Model 2000 OVA, equipped with a Photoionization Detector (PID).  
 All readings are expressed in parts per million (ppm).  
 BGS: Refers to depth below ground surface.

the soils were performed in the field for the presence of TOVs by conducting headspace tests. Soil samples were collected for laboratory analysis for benzene products (MTEX & MTBE), polynuclear Aromatic Hydrocarbons (PAH's) and other recoverable hydrocarbons. Groundwater samples were collected from the two (2) temporary monitoring wells and four (4) existing compliance monitoring wells for laboratory analysis. The results of this SA indicate that there is slight area of groundwater contamination in the immediate vicinity of the former pump dispenser island. The contamination appears to have undergone significant natural attenuation, since the sample results are approximately one order of magnitude less than those revealed during the 1998 sampling event. Based on the results of this investigation, the contamination appears to have originated from old petroleum leaks or spills from the old dispenser island, and is not from recent events.