



Application Case Reference



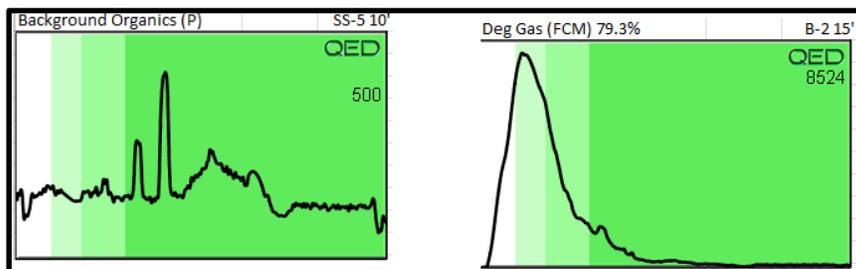
Arcadis

Client: Exxon Mobil

Date: June – July 2014

Location: Raleigh, North Carolina

Site History: Former Retail Petroleum Facility



Environmental Conditions: The site was located in a large parking lot directly off of a main road. There was no vegetation within 50 yards of the site and the soil type consisted of silty clay with gravel at terminal depth.

Project Objective: The objective of this project was to delineate soils for a source area excavation.

Project Description:

This site was a former retail petroleum facility that had been there for decades but was being removed to build a new structure in its place. All of the tanks on the property had been removed and the contaminated soil had to be excavated. QROS performed the initial testing onsite pre-excavation.

How was the QED incorporated into the scope of work?

The QED allowed for us to determine the extent of our excavation by confirming that sidewall soil samples were below action levels. Results were provided within minutes of soil sample collection. This allowed for us to progress quickly and confidently with the excavation.

How did using this method increase efficiency on your project?

A QROS representative was onsite to operate the analytical method. The representative explained the data results and process to all of the site workers with ARCADIS. This method will definitely increase the ability to quickly collect additional soil samples without worrying about soil containers or cooler space. A lot of time was saved during this project considering we did not have to wait the 2 – 3 days for a lab to turn around our samples and provide the analytical data needed. Also, it was interesting to see the types of petroleum that the instrument detected instead of just a numerical value. We saved money on this project using the QED UVF method by not needing to over-excavate or advance the excavation based solely on PID readings.

The NCDENR regulator for this site, Karen Harmon, recommended QROS for this project. Additionally, I had seen QROS onsite with the QED for another consultant and was impressed.



Previously Known As

