

**ABBREVIATED SOIL SAMPLING PLAN
For Former Mohr Orchard Site**

SITE NAME: Former Mohr Orchard

TDD#: E33-020-08-07-025

SITE LOCATION: North Whitehall Township, Pennsylvania

SITE OR FACILITY TYPE: Mix of residential/commercial

DATE: August 8, 2008

EPA OSC: Rich Fetzer

START PREPARER: Erik Armistead

QA REVIEWER: Josh Cope

OBJECTIVE OF SAMPLING: Collect approximately 10-15 surface soil samples for laboratory analysis for arsenic. Samples will be sent to an authorized Contract Laboratory Program (CLP) lab. Samples will be used to determine background concentrations for a future sampling assessment. Concentrations of other analytes identified during the subsequent assessment may necessitate further laboratory analysis. Therefore, the laboratory is requested to hold samples for an additional 90 days after analysis.

Request 14-day verbal turn-around time and validated data within 28 days.

NO. OF SAMPLES	MATRIX	CONTAINER TYPE	PARAMETER*/ ANALYSIS**	PRESERVATIVE	QA/QC REQUESTED@ AND/OR DETECTION LIMIT NEEDED
10-15	Soil	8-ounce CWMJ	Arsenic/CLP SOW ILM05.4 ICPAES	ICE	MS & MSD CRDL

Notes:

CWMJ = Clear Wide-Mouth Jar

ABBREVIATED SOIL SAMPLING PLAN For Former Mohr Orchard Site (continued)

SURFACE SOIL SAMPLING METHOD:

Surface soil samples shall be obtained at the discretion of the OSC. Surface soil samples shall be collected in 64-ounce plastic bags, homogenized and placed into separate 8-ounce clear, wide-mouth jars for analysis; which will be individually labeled to correspond to the exact location it was collected from. Exact sample locations will be logged with the Trimble Global Positioning System (GPS).

SAMPLE & CONTAINER LABELING DESIGNATIONS:

Each sample location will be logged using a Trimble GPS. Each sample will be labeled to correspond to the date and sample location as follows:

Ex: FMO-08XX08-BKG-SSXX

- FMO- = Former Mohr Orchard
- 08XX08- = August XX, 2008
- BKG- = Background
- SSXX = Surface soil sample number

DECONTAMINATION USED: Dedicated, disposable sampling equipment and personal protective equipment (PPE) will be used wherever applicable. Disposable sampling equipment and PPE will be double-bagged and disposed of as dry industrial waste. The need for utilizing heavier non-dedicated digging instruments; due to solid ground, will require these to be grossly decontaminated with towel wipes and Alconox, in between each sample, in accordance with Tetra Tech SOP No. 002, “General Equipment Decontamination” December 1999.

SAMPLE HANDLING: Each sampling location will be noted in the site logbook in accordance with Tetra Tech SOP No. 024, “Recording of Notes in Field Logbook” November 1999. Samples will be collected in accordance with Tetra Tech SOP No. 005, “Soil Sampling” December 1999. Chain-Of-Custody tracking will be provided by the carbon-less EPA forms in Forms-II Lite, and shall be filled out to correspond with the transfer of samples from the field.

QUALITY ASSURANCE/QUALITY CONTROL: Field QA/QC measures, MS/MSD sampling guidance will be applied in accordance with Tetra Tech SOP No. 024, “Recording of Notes in Field Logbook,” and Tetra Tech’s QAPP for START (Tetra Tech 1999, 2006). Samples will be delivered to the laboratory assigned by the EPA Office of Analytical Services and Quality Assurance.