

Table 4-5

**Analytical Samples
Site Investigation
Former Mock Village at Yahoo Lake, Parcel 130Q-X
Fort McClellan, Calhoun County, Alabama**

Parameters	Analysis Method	Sample Matrix	TAT Needed	Field Samples			QA/QC Samples ^a					Quanterra	QA Lab
				No. of Sample Points	No. of Events	No. of Field Samples	Field Dups (10%)	Splits w/ QA Lab (5%)	MS/MSD (5%)	Trip Blank (1/ship)	Eq. Rinse (1/wk/matrix)	Total No. Analysis	Total No. Analysis
Former Mock Village, Parcel 130Q-X: 11 water matrix samples (5 groundwater samples and 6 surface water samples); 12 soil matrix samples (5 surface soil samples, 5 subsurface soil samples, and 6 sediment samples)													
TCL VOCs	8260B	water	normal	11	1	11	3	3	3	2	1	23	3
TCL SVOCs	8270C	water	normal	11	1	11	3	3	3		1	21	3
Tot TAL Metals	6010B/7000	water	normal	11	1	11	3	3	3		1	21	3
Nitroexplosives	8330	water	normal	11	1	11	3	3	3		1	21	3
TCL VOCs	8260B	soil	normal	16	1	16	3	3	3		1	26	3
TCL SVOCs	8270C	soil	normal	16	1	16	3	3	3		1	26	3
TAL Metals	6010B/7000	soil	normal	16	1	16	3	3	3		1	26	3
Nitroexplosives	8330	soil	normal	16	1	16	3	3	3		1	15	1
TOC	9060	sediment	normal	6	1	6						6	0
Grain Size	ASTM D-421/D-422	sediment	normal	6	1	6						6	0
Former Mock Village at Yahoo Lake, Parcel 130Q-X Subtotal:				120		24	24	24	2	8		191	22

^aField duplicate, QA split, and MS/MSD samples were calculated as a percentage of the field samples collected per site and were rounded to the nearest whole number. Trip blank samples will be collected in association with water matrix samples for VOC analysis only. Assumed four field samples per day to estimate trip blanks. Equipment blanks will be collected once per event whenever sampling equipment is field decontaminated and re-used. They will be repeated weekly for sampling events that are anticipated to last more than 1 week. Assumed 20 field samples will be collected per week to estimate number of equipment blanks.

Ship samples to: Severn Trent Laboratories, Inc.
5815 Middlebrook Pike
Knoxville, Tennessee 37921
Attn: John Reynolds
Tel: 865-588-6401
Fax: 865-584-4315

USACE Laboratory split samples are shipped to:

U.S. Army Engineer District, Savannah
Environmental & Materials District
Attn: Sample Receiving
200 North Cobb Parkway
Building 400, Suite 404
Marietta, Georgia 30062
Tel: 678-354-0310

MS/MSD - Matrix spike/matrix spike duplicate.
QA/QC - Quality assurance/quality control.
SVOC - Semivolatiles organic compound.
VOC - Volatile organic compound.

TAL - Target analyte list.
TCL - Target compound list.
TOC - Total organic carbon.
ASTM- American Society for Testing and Materials