

9/9/97 #5
Field Change #5

Appendix 4
Collecting Waste Acceptance Criteria Samples of the GAC
per the Requirements of the Disposal Facility

The GAC used to absorb the VOCs that were desorbed from the Mound Site soils during the treatment phase of the project utilizing the TDU are required by the accepting facility (Chemical Waste Management, Inc, Henderson, CO) to be analyzed in accordance with the methodology listed below. The facility requires that 2-1 liter sample containers of the spent GAC be collected and sent to the laboratory for analyses as outlined in Table A-4. The laboratory will extract the sample amount from the 1 liter bottles and analyze the material accordingly. The spent GAC will be sampled as a grab sample collected at depth from the GAC unit utilizing a teflon dipper as described Appendix 3 for the isotopic analysis. The sampling device will not be decontaminated between samples and no rinsates will be collected. All results will be considered real detection except for laboratory contamination. A trip blank will be collected and shipped with the samples to the laboratory. Sample packaging and shipping will be in accordance with *FO.13 Containerizing, Preserving, Handling and Shipping of Soil and Water Samples.*

Table A-4 GAC Waste Acceptance Criteria Sampling

ANALYSES	SW846 METHOD(S)	HOLDING TIMES	COMMENTS
Total Volatile Organic Compounds	8260A	14 days	
Total Semi Volatile Organic Compounds	8270B	14 days preparation 40 days Analysis	
Total Pesticides/PCBs	8080A/8081	14 days preparation 40 days Analysis	
Total Herbicides	8150	14 days preparation 40 days Analysis	
Total Cyanide	9010A/9012	14 days	
Total Sulfur	ASTM D3177-89		Total sulfur analysis for coal and coke
Trip Blanks	8260A	14 days	2-40 ml VOA vials