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## Air Sparge / Soil Vapor Extraction (AS/SVE) Trailer Unit - \$5,500/month\*

### Description

Cox-Colvin's AS/SVE rental unit is capable of sparging and/or extracting from multiple points to provide effective remediation of VOCs in both vadose zone soil and groundwater consisting of sands and gravels to silty sands. Once extracted, the VOC-contaminated vapor stream is sent through an air/water separator to remove any water, prior to passing through the extraction blower. If a large amount of water generation is anticipated, a water holding tank is also available for rent. After exiting the blower, the VOC-contaminated vapor stream enters the granular activated carbon (GAC) vessel, is treated, and discharged to the atmosphere through a stack in the trailer. During operation, totalized VOC concentrations prior to and after GAC treatment are measured and displayed through in-line photoionization detectors (PIDs). The sparge and extraction flows are also able to be viewed. An alarm transmittal and data acquisition system is incorporated into the unit which is capable of transmitting/storing system alarms and continuously logging influent and effluent PID readings, SVE air flow, and SVE vacuum.

### Specifications

Refer to Figure 1 for a piping and instrumentation diagram. General system specifications include the following:

- 16 ft x 8 ft enclosed trailer
- highly automated operation;
- rotary vane sparge pump (Gast 1290);
- regenerative extraction pump (Ametek Rotron EN707);
- 10 gallon capacity air/water separator with manual transfer;
- 450 pound GAC vessel; and,
- 240V 3-P 100A or 480V 3-P 50A electric requirement.

\*additional charges for mobilization/demobilization, optional equipment, consumable materials, etc. apply.



If you are interested in renting this equipment, please [email](mailto:info@CoxColvin.com) Cox-Colvin & Associates, or call us at (614) 526-2040 and ask for Nick Petruzzi.

