



LABORTORY SERVICES TESTING INFORMATION SHEET

Regenesis offers customers an array of laboratory services to assist in the remediation of soil and groundwater on contaminated sites. The following services are provided in the research and development laboratory at the corporate headquarters of Regenesis (San Clemente, CA).

SOD and TOD testing: soil oxidant demand (SOD) or total oxidant demand testing (TOD) are determined by batch test method containing site groundwater (or laboratory distilled water) and site soil. The water phase, dosed at 10g/kg_{soil} with oxidant is sampled immediately and after a pre-determined period of time to measure matrix consumption of the material. All samples are kept in an incubator set at 15°C, which is representative of typical groundwater temperatures.

Treatability testing is a useful tool for demonstrating the ability of a particular technology to degrade or remove contaminant mass in a given site. All reaction set-up and manipulations are performed in-house. Analyses are done by a certified third-party lab. A standard bench test includes baseline testing and one loading of product plus control; all done in duplicate. A standard bench tests analyzes one of the following contaminants: total petroleum hydrocarbon (TPH-gasoline or TPH-diesel), BTEX (benzene, toluene, ethylbenzene, and xylenes), TPH-g with BTEX, or CVOCs (chlorinated volatile organic compounds). Additional contaminants of concern or not previous listed will be priced on a case-by case basis. A final written report including experimental design, tabulation of results and data interpretation will be presented at the conclusion of testing.

Regenesis Service	Regenesis Product	Cost per test	Additional Tests	Soil Quantity (minimum required)	Water Quantity (optional)	Standard TAT*
Oxidant Demand (SOD/TOD)	PersulfOx, RegenOx	\$ 400.00	\$ 150.00	2 kg	1 L	4 weeks
Treatability Study	PersulfOx, RegenOx	\$ 4,000.00	\$ 1,500.00	6 kg	6 L	8 weeks

*Turn Around Time (TAT) starts upon sample receipt (and signed proposal if a treatability test)

For further information, please contact your area sales representative or Melinda Pham at the corporate office, (949) 366-8000 MPham@regenesis.com.