

Equipment Training Sheet – Jasco FT/IR 4100 with Diamond/ZnSe ATR crystal

Name: _____

Position: _____

Department: _____

Phone: _____

e-mail: _____

Director: _____

Staff Initials	Trainee Initials	
		<p><u>Anyone needing access to MSE equipment needs to contact MSE tech staff:</u></p> <ul style="list-style-type: none"> • For initial training • For subsequent usage (will receive equipment card) • No secondary training of the equipment
		<p><u>Review of hazards, controls, personal protective equipment:</u></p> <ul style="list-style-type: none"> • Gloves should be worn to minimize oils from hands contaminating chamber and samples • Any PPE and precautions should be followed for the specimens • Bring the MSDS for the material to be studied if hazardous
		<p><u>Review of standard operating procedure:</u></p> <ul style="list-style-type: none"> • http://www.mse.engin.umich.edu/internal/procedures/jasco-ft-ir-4100-with-diamond-znse-atr-crystal • Follow the manufacturer’s recommended sample procedures for the number of scans and certain wavelength limitations • A background scan should be performed at the beginning of testing <ul style="list-style-type: none"> ○ Does not need to be repeated unless the environment has drastically changed or software has been closed • The Diamond/ZnSe is bonded with epoxy that is sensitive to certain solvents, caution should be taken (see the SOP more information) • It is recommended that isopropanol be used to clean the surfaces of the equipment
		<p><u>Available supplies to help in the procedure:</u></p> <ul style="list-style-type: none"> • Tweezers and spatulas • Gloves

Staff Signature/date: _____

Trainee Signature/date: _____