



Scientific Instruments

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Comprehensive Laboratory Project Experience

<u>Customer</u>	<u>Application</u>	<u>Description</u>
American Chemical Products	GCMS Chemical Characterization	Compressor oil deposition and point source identification
Applied Analytical, Inc.	GCMS Chemical Characterization	Point source confirmation of air filter deposition
Applied Materials	GCMS Chemical Characterization	Identification of trace contaminates in high purity isopropyl alcohol
Applied Materials	H2O Content by Karl-Fischer	Confirmation of off-spec water content in high purity ethylene glycol
Boostane Fuel Products	GCMS Chemical Characterization	Chemical constituent comparison of selected commercial octane boosters
Bruce Pfund / Special Projects, LLC	Pyrolysis GCMS Chemical Characterization	High temperature thermal desorption of polymer/gelcoat defect
Cobalt Technologies, Inc	Quantitative GCMS Characterization	Identification and quantification of refined distillate products
D.R. Horton Homes	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Dentsply International, Inc.	Headspace GCMS Quantification	GCMS heated headspace analysis of residual monomer
Foster Inspections & Construction Consulting, Inc.	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Hercules, Inc.	GCMS Chemical Characterization	Chemical characterization of Guar Gum powder
High End Systems	GCMS Chemical Characterization	Chemical profiling of on-spec & off-spec fogging fluids
High End Systems	Total Suspended Solids	TSS of on-spec & off-spec fogging fluids
Hypo-Seal, Inc.	Trace Total Metals by ICPMS	Low-level metal content of drilling sealing fluids
IKARIA	Adulteration Testing by GCMS	FDA final test for adulterants in pharmaceutical product
Indoor Air Quality Consultants	VOC's by SPME-GCMS	VOC determination in Tedlar bags by Solid Phase Micro Extraction
International Business Machines (IBM)	Formaldehyde by GCMS	Formaldehyde off-gassing in various printed circuit materials
International Personnel Protection, Inc.	GCMS Chemical Characterization	Identification of residual contamination of fire suit swatch
International Personnel Protection, Inc.	TD-GCMS Chemical Characterization	Thermal desorption of sorbent tubes for VOC/TPH content of Fire Station
King Consultants	Headspace GCMS VOCs	Fire debris residue analysis by heated headspace
McNeil Consumer Healthcare	GCMS Chemical Characterization	Determination of source point contamination in bulk pharmaceutical materials
Milburn Homes	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Muzyka & Associates	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Oil Enhancements, Inc.	GCMS Chemical Characterization	Chemical identification of unpolymerized/polymerized drilling sealing fluids

Scientific Instruments Sales & Service, LLC
Page 2: Comprehensive Laboratory Project Experience

PDP Analytical Services	GCMS Chemical Characterization	BTEX, VOCs, & TPH in Tedlar bags by thermal desorption
Raba-Kistner Consultants, Inc.	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Redwood Coast Regional Center	Formaldehyde by GCMS	DNPH derivatized/stabilized formaldehyde determination
Republic Plastics, Ltd.	GCMS Quantification by Heated Headspace	Precise quantitation of residual isobutane in Styrofoam products
RJW Chemical Consultants	Glycols in Water by GCMS	Quantitation of recycled antifreeze composition from distillation
Samsung Austin Semiconductor	Residual IPA by GCMS	Quantitation of isopropyl alcohol in various semiconductor production sources
Samsung Austin Semiconductor	MPA by GCMS	Residual methyl propylamine in process liquids
Samsung Austin Semiconductor	HEPA Filter Analysis by GCMS	Chemical Characterization of HEPA filter by SPME
Samsung Austin Semiconductor	VOC's in Cleanroom by GCMS	Trace VOCs in cleanroom air by SPME
Seal-Tite International, LLC.	Thermal Properties Characterization	High temperature weight loss of polymerized drilling sealing material
Sierra Microwave Technology	GCMS Chemical Characterization	Identification of trace impurities in high-purity methanol
Southwest Research Institute	GCMS Chemical Characterization	Profiling algae hydrocarbons for bio-fuel applications
Southwest Research Institute	Diesel Particulate by GCMS	GCMS particulate characterization on filter paper of diesel engine exhaust
Southwest Research Institute	GCMS Chemical Characterization	GCMS identification and comparison of bio-diesel renewable fuel blends
SR Birch Consulting	Particulate Composition	Particulate determination by NIOSH 0500
SR Birch Consulting	GCMS Chemical Characterization	Source point identification of heavy hydrocarbon deposition in air filtration system
State Farm Fire and Casualty, Co.	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Sunrise Ridge Algae, Inc.	GCMS Chemical Characterization	Profiling algae hydrocarbons for bio-fuel applications
TeraVista Technologies	Nickel by ICPMS	Ni content in ceramic/precious metal materials
TetraVitae Bioscience, Inc.	GCMS Chemical Characterization	Quantitation of organic impurities in bio-generated butanol
Texas NeuroRehab Center	GCMS Identification	Unambiguous identification of suspected narcotic powder
Texas Research International	Off-gas VOC's by GCMS	Tedlar bag VOC analysis from off-gas constituents in diver greases
Texas Research International - Austin	Formaldehyde by GCMS	Formaldehyde high temperature off-gassing in various submarine composites
Total Comfort Heating & Cooling Co.	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
Touchstone Bernays Attorneys at Law	GCMS Chemical Characterization	GCMS point source confirmation of soot deposition from candle burning
TRI Austin, Inc.	GCMS Chemical Characterization	High temperature off-gassing of various polymer materials by SPME sampling of steel cylinders
TRI Environmental, Geosynthetic Services	GCMS Chemical Characterization	Average molecular weight determination of PVC-based synthetic geo-membranes
TRI Project.: US Navy	Off-gas VOC's & SVOC's by GCMS	Direct gas injection from steel cylinders for VOC/SVOC off-gassing from proprietary components
University of Texas, Austin	GCMS Chemical Characterization	GCMS confirmation of GC-FID analysis of organic impurities in bio-generated butanol
University of Texas, Austin	Indoor Air by GCMS	Indoor air analysis by thermal desorption GCMS
USEPA National Risk Management Research Laboratory	GCMS Chemical Characterization	GCMS confirmation of commercially available reference materials for USEPA methodologies