

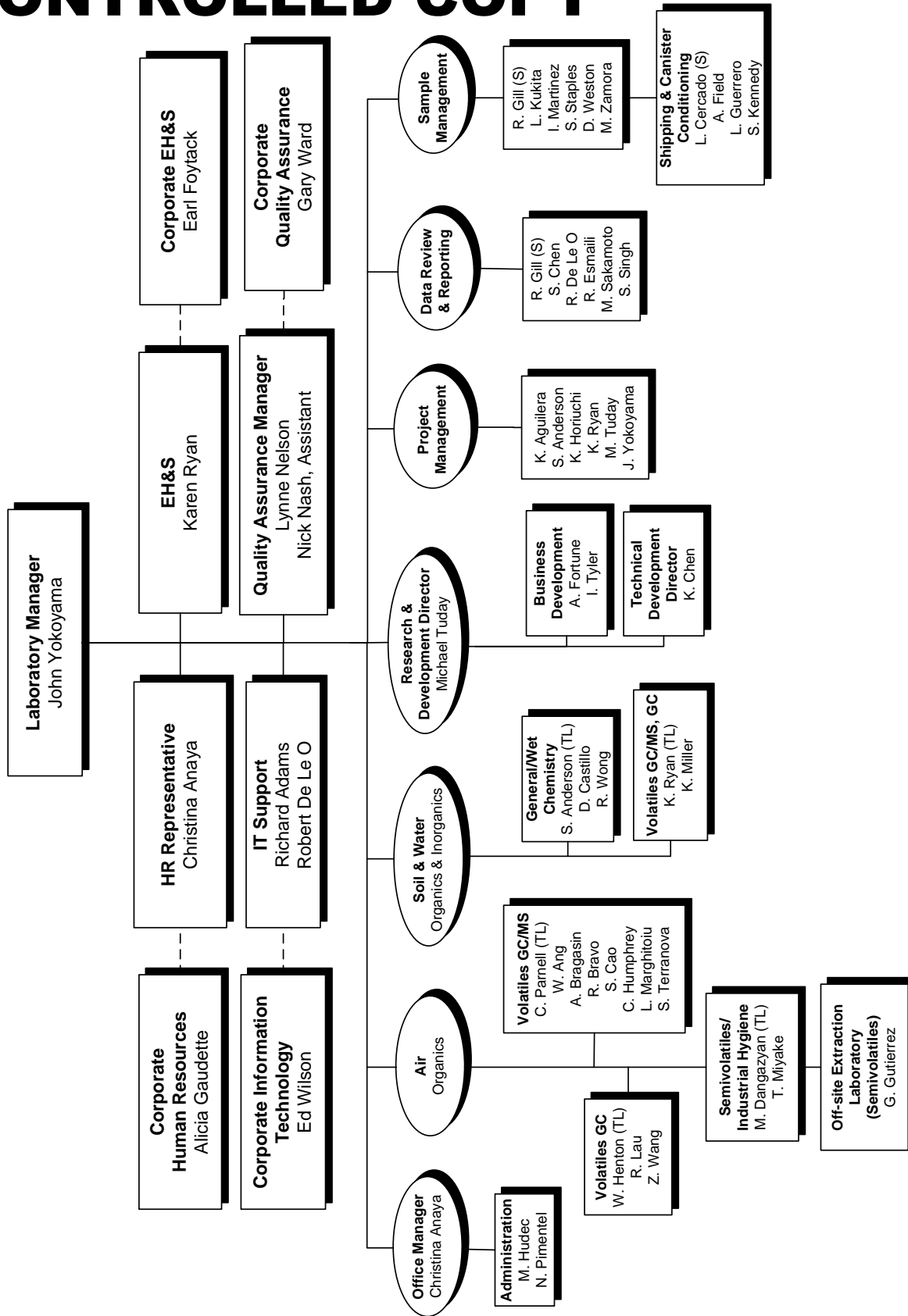
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**APPENDIX A**

**ORGANIZATIONAL OUTLINE &  
RESUMES OF KEY PERSONNEL**

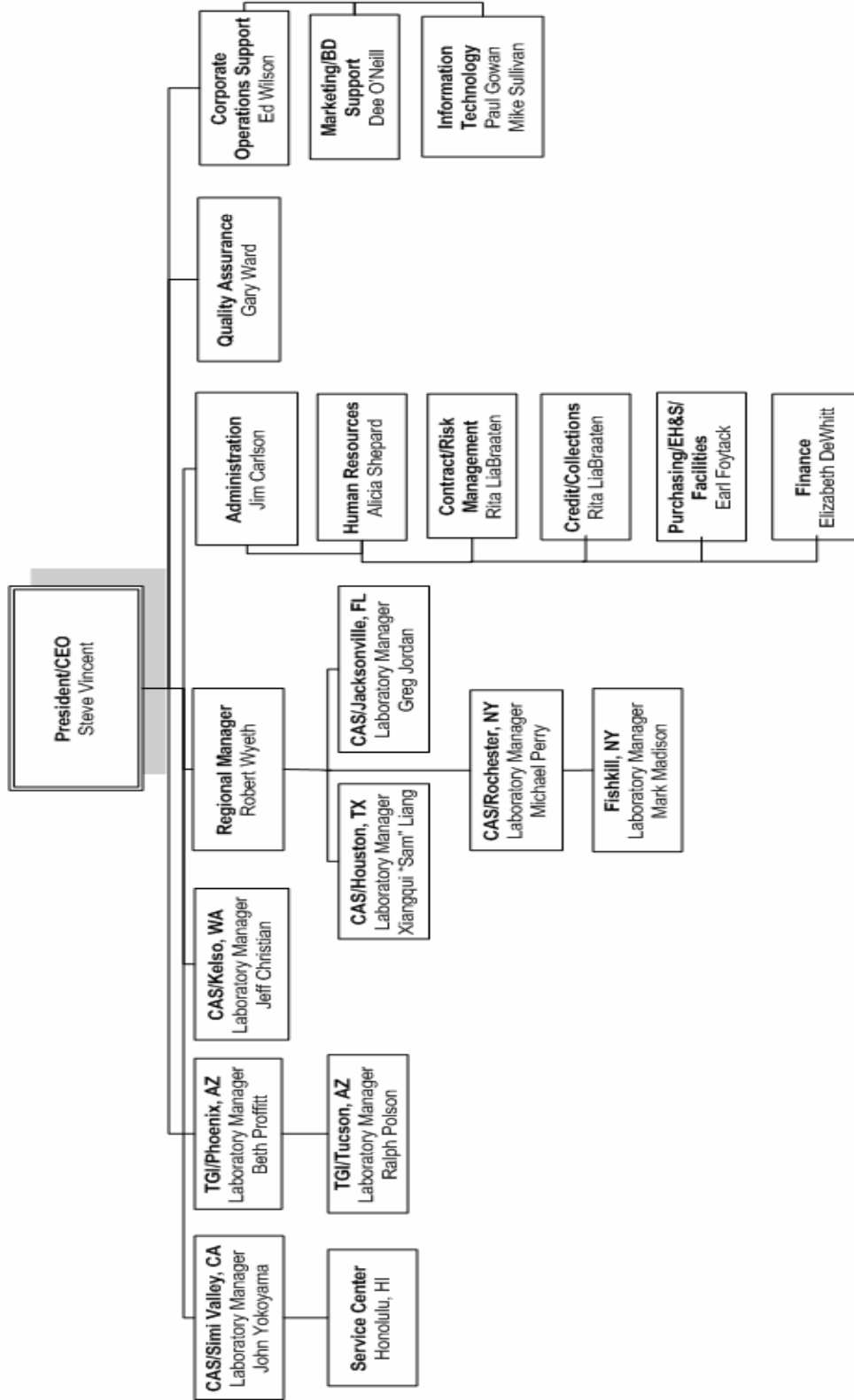
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## Columbia Analytical Services, Inc. Simi Valley, California Laboratory Organization



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## Columbia Analytical Services, Inc. Laboratory Division & Corporate Organization



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**RICHARD B. ADAMS**

2006 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## Current Position

**SYSTEMS ANALYST/PROGRAMMER** – 2006 to Present

## Responsibilities

Responsible for coordination of local laboratory information systems implementation, computer systems, electronic data archiving, e-mail functions, and instrument analysis software. Also responsible for client spreadsheets and disk deliverables and computer maintenance/upgrades. Support on site personnel with their data processing needs (hardware and software) to produce hardcopy and electronic data deliverables.

## Experience

**Systems Analyst/Programmer IV**, *Columbia Analytical Services, Inc., Canoga Park, CA*, 2001-2006. Responsible for computer systems, electronic data archiving, e-mail functions, and instrument analysis software. Also responsible for client spreadsheets and disk deliverables and computer maintenance/upgrades. Support on site personnel with their data processing needs (hardware and software) to produce hardcopy and electronic data deliverables.

**Manager, Information Systems**, *Polymer Engineering Corp., Oxnard, California*, 1999-2001. Responsibilities included NT network management (WAN/LAN); selected computer-related equipment and contractors for all facilities; performance client and server hardware upgrades/repairs; software installation; created databases necessary for documentation; and maintained data security back-up functions. Trained personnel on software in use, and supervised the Document Control Department.

**QC Manager**, *Polymer Engineering Corp., Oxnard, California*, 1995-1999. Responsible for product delivery system design and evaluation; involved with ISO 9000 implementation and documentation. Also responsible for computer and laboratory instrument troubleshooting, supervision of six employees and documentation control.

**Environmental Lab Supervisor**, *Ventura Regional Sanitation District, Ventura, California*, 1989-1994. Responsible for all laboratory operation, including data review, method development, quality, troubleshooting, and budget.

**Inorganic Lab Supervisor**, *ENSECO/CRL, Venture, California*, 1985-1989. Responsible for workload distribution, development and management of LIMS, data review, method development, instrument installation, and performance of non-routine tests.

## Education

**CERTIFICATE, Microsoft Office'97**, *New Horizons Computer Learning Center, Thousand Oaks, California*, 1999.

**CERTIFICATE, MCSE Track**, *New Horizons Computer Learning Center, Thousand Oaks, California*, 2000.

**BS, Chemistry**, *California State College, San Bernardino, California*, 1977.

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**KATHLEEN "KATE" AGUILERA**

1989 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**PROJECT MANAGER** – 1997 to Present

**Responsibilities**

Responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling, tracking and consulting to determine appropriate sampling and analytical protocols. Coordinates with the laboratory and administration to ensure that analyses are properly executed and meets the clients' needs.

**Experience**

**GC/MS Analytical Chemist**, *Columbia Analytical Services, Inc., DBA Performance Analytical Inc., Los Angeles, California*, 1994-1997. Analysis of air samples using EPA compendium methods TO-1, TO-2 and TO-14 using cryogenic concentration and thermal desorption techniques on whole air samples collected in summa canisters, Tedlar bags, and solid sorbent air samples. Proficient in the interpretation of mass spectra. Responsible for the preparation and quality control verification of solid sorbent sampling media for EPA Compendium methods TO-1 and TO-2.

**GC/MS Analytical Chemist**, *Performance Analytical Inc., Canoga Park, California*, 1992-1994. Responsibilities listed above.

**GC Analytical Chemist**, *Performance Analytical Inc., Canoga Park, California*, 1989-1992. Performed analyses of air samples for reduced sulfur compounds, hydrocarbon distribution and speciation, fixed atmospheric gases and total gaseous non-Methane organics. Performed analyses of soil and water samples for TPHg (mod. 8015) and BTEX. Performed extractions and analyses of CARB, NIOSH, OSHA and EPA 8000 series methods. Also performed metals analysis using flame and graphite furnace atomic absorption spectrophotometry (AA, GFAA).

**Education**

**BA, Chemistry**, *California State University – Northridge, Northridge, California*, 1989

**Affiliations**

American Chemical Society

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**SUSAN "SUE" M. ANDERSON**

**2006 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**PROJECT MANAGER / TECHNICAL MANAGER (GENERAL CHEMISTRY) - 2006 to Present**

## **Responsibilities**

Responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling, tracking and consulting to determine appropriate sampling and analytical protocols. Coordinates with the laboratory and administration to ensure that analyses are properly executed and meets the clients' needs. Also responsible for the training of general chemistry staff, maintenance of MDL studies and standard operating procedures, data evaluation and report responsibility.

## **Experience**

**Technical Manager, General Chemistry, Columbia Analytical Services, Inc., Canoga Park, CA, 2002-2006.** In addition to the Project Manger duties listed below, also responsible for the management of General Chemistry laboratory operations, including the financial aspects. This includes supervision and coordination of work load and training personnel as necessary as well as supervision of method development and certification, method troubleshooting, and instrument maintenance. Also responsible for training staff, maintenance of MDL studies & SOPs, data evaluation and report responsibility. Other duties include participation in the formulation of project strategy and meetings involving major technical issues, working with regional senior management in short- and long-range planning, and other duties as assigned.

**Project Manager II, Columbia Analytical Services, Inc., Canoga Park, California, 2000-2002.** Responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling and tracking from the delivery of sample bottles to client site to the delivery of the completed analytical report. Ensures that the client receives timely, appropriate, and quality analytical services. Coordinates with the CAS laboratory and administration to ensure that analyses are properly executed and meet the clients' needs. Coordinates sub-contracting with internal and external laboratories. Acts as a liaison for all client-related activities within Columbia Analytical Services, Inc. Interfaces with word processing staff to answer technical questions that arise during EDD completion. Has high level role in data evaluation and report responsibility. High level client and regulatory agency contact.

**Scientist I-III, Columbia Analytical Services, Inc., Canoga Park, California, 1992-2000.** Responsible for performing inorganic analyses such as: alkalinity, ammonia, BOD, COD, cyanide, sulfide, reactivity, fluoride, pH, hardness, hexavalent chromium, phenols, surfactants, total-dissolved-suspended solid, conductivity, turbidity, nitrate, chloride by titration, turbidimetric sulfate, color, odor, organic lead, residual chlorine, settleable solids, specific gravity, carbon dioxide, TCLP/STLC metals and semi-volatile extraction. Also perform analyses for TRPH and oil and grease and occasionally perform metals digestion. Also ran the Graphite furnace for all furnace metals and was responsible for standard prep and maintenance.

**Wet Chemist, National Environmental Testing, Bartlett, Illinois, 1990-1991.** Responsible for the analyses for wastewater parameters and some inorganic analytes.

## **Education**

**BS, Biochemistry, University of Illinois, Urbana-Champaign, Illinois, 1989.**

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WIDAYATI "WIDA" ANG

2007 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

## Current Position

**CHEMIST** - 2007 to Present

## Responsibilities

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

## Experience

**Technical Manager, Organic Chemistry, Columbia Analytical Services, Inc., Canoga Park, CA, 1999-2007.** Responsible for managing the organics department with regards to State and Federal regulatory requirements. Supervises and coordinates work load and trained personnel. Supervised method development and certification, as well as method troubleshooting and instrument maintenance. Responsible for mobile laboratory operations.

**Data Validation, Laboratory Data Consultants, Inc., Carlsbad, CA 1998-1999.** Responsible for retrieving analytical data from closed down laboratory operations, review and validation of data packages. Supervised other employees for data package assembly.

**Assistant Quality Control Manager & Data Package Specialist, VOC Laboratories, Inc., Glendale, CA, 1996-1998.** Responsible for overseeing data quality of final data validation packages. Managed production of data packages to meet various State and Federal analytical programs as well as customized client formats. Oversaw enforcement of the laboratory for implementation of corrective action measure. Interacted with chemists and project managers to ensure accuracy and completeness of data deliverables.

**Technical Director and Department Manager, Thermo Analytical, Monrovia, CA, 1992-1996.** Responsible for daily operations of the organic chemistry department. Developed standard operating procedures for various methods. Reviewed analytical data generated for completeness and contractual requirements according to Contract Laboratory Program (CLP) and SW-846 methods. Organized and scheduled reports for project managers. Responsible for upgrading and purchasing new instrumentation. Provided technical support to QC coordinator and laboratory personnel. Assisted with proposal preparation and audits.

**Department Supervisor & Chemist, Thermo Analytical, Monrovia, CA, 1988-1992.** Responsible for training chemist and technicians in proper performance of various analytical methods. Ensured that data produced by chemists was in compliance with standard operating procedures and contractual requirements. Responsible for sample analysis of water, soil and air for volatile organics by GC and GC/MS. Assisted chemists in the analysis and interpretation of pesticides and PCBs.

**Analytical Chemist, Shankman Laboratories, Los Angeles, CA, 1986-1988.** Prepared and analyzed soil and water samples using GC, GC/MS, HPLC, IR, IC and UV spectrophotometric techniques.

## Education

**BS, Chemistry, Technical University of West Berlin, Germany, 1984.**

**MS, Chemistry, Technical University of West Berlin, Germany, 1982.**

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**ARISTOTLE B. BRAGASIN**

2004 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST** – 2004 to Present

## **Responsibilities**

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Scientist II, GC/MS VOA Laboratory, Columbia Analytical Services, Canoga Park, California, 1998-2004.** Responsible for Volatile GC/MS sample analysis of soil, groundwater and wastewater according to SW-846 Method 8260B and EPA 624. Utilize Tekmar 2016, OI Analytical DPM-16, and Archon autosampler, Tekmar 2000, 3000, and 3100 and OI Analytical 4560 concentrators, HP5890 and 6890 GC systems with HP 5971, 5972, and 5973 MSD's. Also responsible for reducing and reporting data according to standard operating procedures and contractual requirements. Perform TCLP-ZHE extractions, routine troubleshooting and instrument maintenance, and the storage and disposal of VOA samples. Review GAS/BTEX analytical data generated for completeness and contractual requirements according to SW-846 methods.

**Analyst III, Sample Management Office, Columbia Analytical Service, Inc., Canoga Park, California, 1996-1998.** Duties primarily as listed below.

**Analyst II, Sample Management Office, Columbia Analytical Services Inc., Canoga Park, California, 1995-1996.** Primary responsibilities include logging samples and requested analyses, distribution of service request forms to each department, storage and disposal of samples, and shipment of samples to other laboratories. Logging jobs into the LIMS system.

**Lab Technician, Pace Inc., Camarillo, California, 1995.** Duties included extraction of cyanide and phenols via steam distillation. Determined amounts of cyanide, phenols, phosphorus, and nitrogen using Lachat Automated Analyzer. Determined amounts of oil and grease, total dissolved solids, total suspended solids, and bacteria in samples.

**Laboratory Assistant, Aerotek Lab Support, Gardena, California, 1995.** Cleaned and sterilized glassware in the protein chemistry department of Amgen Inc., Thousand Oaks, California.

**Specimen Processor, Olsten Staffing Services, Thousand Oaks, California, 1994.** Data entry of patient information and requested tests. Separated and labeled specimens for different departments at Physicians Clinical Laboratory, Newbury Park, California.

## **Education**

**BS, Biochemistry, California Polytechnic State University at San Louis Obispo, San Louis Obispo, California, 1995**



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## RUSTICO "RUSTY" BRAVO

2004 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

<b>Current Position</b>	<b>CHEMIST</b> – 2004 to Present
<b>Responsibilities</b>	Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.  <b>Documentation of Demonstration of Capabilities is available for review.</b>
<b>Experience</b>	<b>Chemist, FGL Environmental, Santa Paula, CA, 1995-2004.</b> Primary operator of HP ICP/MS and Thermo ICP/MS; backup operator of TJA Trace ICP/AES and Leeman P5200; senior chemist of the Metals Department, supervising trace operator and sample prep technician; maintained and troubleshoot instrumentation and methodologies.  <b>Chemist, Pace, Inc., Camarillo, CA, 1992-1995.</b> Primary operator of Varian AA and GFAA, and of Leeman PS200 Hg analyzer; backup operator of TJA Trace ICP/AES; sample prep of CARB and BIF trains.
<b>Education</b>	<b>B.S., Chemistry, University of Santo Tomas, Manila, Philippines, 1986.</b>

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**SIMON CAO**  
2007 TO PRESENT

*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**CHEMIST**– 2007 to Present

**Responsibilities**

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

**Experience**

**Chemist**, *Columbia Analytical Services, Canoga Park, CA. 2004-2006.* Responsible for the analyses of base/acid/neutral (BNA) by EPA Method 8270C and low-level polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270C-SIM. Perform data reduction, data review, and reporting. In addition, also responsible for routine instrument maintenance and troubleshooting.

**Inorganics Supervisor**, *American Analytics, Chatsworth, CA. 2000-2004.* Supervised wet chemistry and metals departments; responsible for the daily operation of sample analyses and the quality of report generation. Methods in wet chemistry department included analytical techniques such as ion selective electrodes, colorimetric, photometric, and gravimetric. Metals analyses were performed on ICP, CVAA, and GFAA. Also responsible for instrument maintenance, troubleshooting, and the training of new chemists.

**Analyst III**, *Columbia Analytical Services, Canoga Park, CA. 1993-1999.* Responsible for the extraction of environmental samples, both aqueous and soil matrixes, for diesels, pesticides/PCB, BNA, and volatile analyses by GC and GC/MS. Performed diesel analysis by EPA Method 8015B and gasoline/BTEX analysis by EPA Methods 8015B/8021.

**Education**

**BS, Pharmaceutical Science**, *First Medical College of Shanghai, Shanghai, China. 1976.*

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**DAVID CASTILLO**

**2007 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**CHEMIST** – 2007 to Present

**Responsibilities**

Responsible for preparation and analysis of wet and general chemistry samples for turbidity, settleable solids, residue, ion selective electrode analyses (e.g., pH, nitrite, fluoride, and conductivity), hexavalent chromium, and other similar analyses. Additional responsibilities include standard preparation, instrument maintenance, and real time data reduction; participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

**Experience**

**Research Associate, University of Southern California, Los Angeles, CA.** 2004-2006. Responsible for tissue culturing mouse embryo fibroblast cells for cytotoxicity and genotoxicity assays. Ordered laboratory equipment, reagents and maintained equipment. Trained students in tissue culturing techniques.

**Laboratory Ancillary Operations Technician, Los Robles Regional Medical Center, Thousand Oaks, CA.** 2003-2004. Responsible for data entry for laboratory patient demographics and test orders. Managed phone inquiry and facsimile responses to requests for laboratory service and reports. Performed pre-analytical processing of specimens sent to laboratory for testing.

**Education**

**M.S. Molecular Microbiology and Immunology, University of Southern California, Los Angeles, CA,** 2006

**B.S. Biochemistry, California Lutheran University, Thousand Oaks, CA,** 2004

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**LLESENIA CERCADO**  
**2000 TO PRESENT**

*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

<b>Current Position</b>	TECHNICIAN – 2003 to Present
<b>Responsibilities</b>	Responsibilities include waste disposal, canister conditioning and preparation, fulfillment of media requests; shipping, occasionally receiving samples, and flow controller and critical orifice calibration and calibration checks. Additional responsibilities include coordination of canister maintenance and release and cleaning of canisters for field sampling, training within the department, sampling media inventory and pressure/vacuum gauge inventory and calibration checks between annual metrology calibrations.
<b>Experience</b>	<p><b>Technician</b>, <i>Columbia Analytical Services, Inc., Simi Valley, CA, 2003-2006.</i> Responsibilities include waste disposal, canister conditioning and preparation, fulfillment of media requests; shipping and occasionally receiving samples. Additional responsibilities include training within the department, of flow controller and critical orifice calibration and checks, sampling media inventory and pressure/vacuum gauge inventory and calibration checks between annual metrology calibrations.</p> <p><b>Analyst II</b>, <i>Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California, 2000-2003.</i> Responsibilities include preparation of samples using Soxhlet, shakeout and sonication extraction. Preparation of indoor air and industrial hygiene samples using solvent desorption. Gas Chromatographic screening of samples collected in Tedlar bags and summa canisters for volatile organic compounds</p>
<b>Education</b>	<b>CERTIFICATE, Chemical Technology</b> , <i>Los Angeles Trade Technical College, Los Angeles, California, 2000.</i>

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**KU-JIH CHEN**

1989 TO PRESENT

*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

<b>Current Position</b>	<b>DIRECTOR OF TECHNOLOGY DEVELOPMENT</b> – 2000 to Present
<b>Responsibilities</b>	Responsible for the development and validation of new sampling and analysis methods, new technology and laboratory automation.
<b>Experience</b>	<p><b>Scientist VII</b>, <i>Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California</i>, 1994-2000. Responsibilities included operating the Gas Chromatography and Sample Preparation Laboratories, developing methods (previously developed the Total Combustion Analyzer for the measurement of reactive organic gases in stationary source samples, and the Determination of Reduced Sulfur Compounds and fixed atmospheric gases in POTW emissions, refinery and landfill gases), and serving as the laboratory's primary Industrial Hygiene Chemist.</p> <p><b>Principal Chemist</b>, <i>Performance Analytical, Inc., Canoga Park, California</i>, 1989-1994. Responsibilities listed above.</p> <p><b>Extraction Laboratory Supervisor</b>, <i>C-E Environmental Inc., Camarillo, CA</i>, 1984-1989. Responsibilities included supervising chemists, associate chemists, and technicians, preparing SOP's, analytical standards, and spiking solutions, serving as Primary Extraction Chemist for the Love Canal Habitability Study, and previously responsible for instrumental analysis using GC, LC, GC/MS, and AA.</p> <p><b>Research &amp; Development Chemist</b>, <i>Paolyta Company, Taipei, Taiwan</i>, 1980-1984.</p> <p><b>Research Chemist</b>, <i>Panlabs Taiwan Ltd., Taipei, Taiwan</i>, 1975-1980.</p>
<b>Education</b>	<b>BS, Botany</b> , <i>National Chung-Hsing University, Taipei, Taiwan</i> .

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**MADELEINE DANGAZYAN**

**1999 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST, Semi-Volatiles Team Leader** – 2002 to Present

## **Responsibilities**

Team leader for the Semi-Volatile group responsibilities are but not limited to training of chemists, peer review of analytical data, mentoring of junior analysts, standard operating procedure review and streamlining of methods. Duties also require performance reviews and development of direct reports. Additional responsibilities are analyzing ambient air, source emissions, and industrial hygiene samples using GC and HPLC. Preparation and analysis of air samples taken on various sorbent tubes for semi-volatile organic compounds. Determination of Carbonyls, Phenols and Cresols in ambient air and source emission samples using HPLC. Routine and necessary instrument maintenance.

**Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Chemist, Columbia Analytical Services, Inc., Simi Valley, CA, 1999-2002.** Responsibilities included training of chemists, peer review of analytical data, mentoring of junior analysts, standard operating procedure review and streamlining of methods. Additional responsibilities are analyzing ambient air, source emissions, and industrial hygiene samples using GC and HPLC. Preparation and analysis of air samples taken on various sorbent tubes for semi-volatile organic compounds. Determination of Carbonyls, Phenols and Cresols in ambient air and source emission samples using HPLC. Routine and necessary instrument maintenance.

**Analytical Chemist, Air Products and Chemicals, Inc., Long Beach, California, 1995-1999.** Quality assurance analysis of EPA protocol gases utilizing GC, FTIR and NDIR. Preparation of personnel schedules, lead laboratory contact.

**Undergraduate Research, California State University at Northridge, Northridge, California, 1993-1994.** Assisted professor with improving and implementing student laboratory experiments to better utilize a GC/MS.

## **Education**

**BS, Chemistry, California State University at Northridge, Northridge, California, 1995.**

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**ROBERT DE LA O**

**1990 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**SYSTEMS ANALYST** – 1995 to Present

**Responsibilities**

Responsible for generating reports, automating routine work and maintaining databases, electronic data archiving, e-mail functions. Also responsible for client spreadsheets and disk deliverables and computer maintenance/upgrades, generation and submission of client electronic data deliverables.

**Experience**

**Administrator III**, *Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California*, 1990-1995. Responsible for logging samples in, generating reports and invoicing. Shipping and Receiving.

**Assistant Manager**, *May Company, North Hollywood, California*, 1990. Responsibilities included: employee scheduling, inventory control and making sure items were well stocked and clearly priced.

**Assistant Manager**, *Sears Roebuck and Company, North Hollywood, California*, 1985-1990. Supervised 10 Departments (approximately 50 employees). Responsibilities included: employee scheduling, hiring, customer service/complaints, and assisting with opening and closing the store daily.

**Education**

**COURSEWORK, Computer Science**, *Moorpark College, Moorpark, California*, 1999 to present

**COURSEWORK, Business and Computer Science**, *Los Angeles Valley College, Van Nuys, California*, 1990-1998.

**COURSEWORK, Business and Computer Science**, *California State University at Northridge, Northridge, California*, 1987-1990.

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**ROBIN GILL**

**1991 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**DATA VALIDATION COORDINATOR AND TEAM LEADER** – 2002 to Present

**Responsibilities**

Team leader responsibilities are evaluation and approval of work shifts, vacation requests, training and mentoring new data validation team members, in addition to yearly performance reviews to evaluate job achievements. Data validation responsibilities are for data review and validation as well as data package compilation, job tracking, archiving and the production of laboratory reports. Interacts with project managers and Quality Assurance Program Manager to ensure that all reports fulfill client requirements as well as QA/QC needs. Also serves as a backup for case narrative generation and manages the turn around times so that reports are distributed to the clients in a timely manner.

**Experience**

**Project Manager III, Quality Control Coordinator, Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California, 1994-2002.** Responsibilities listed above.

**Project Manager III, Quality Control Coordinator, Performance Analytical Services, Inc., Canoga Park, California, 1991-1994.** Primarily responsible for data review and validation as well as data package compilation. Also responsible for job tracking, archiving and the production of laboratory reports.

**Data Group Supervisor, ABB Environmental, Camarillo, California, 1980-1991.** Supervised five employees in the Data Group Department. Responsible for data review and validation, document control, data package compilation, job tracking and archiving, and the organization and prioritization of workload.



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**WADE H. HENTON**

**1994 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST, VOLATILE GAS CHROMATOGRAPHY TEAM LEADER** – 2000 to Present

## **Responsibilities**

Team leader for the Volatile Gas Chromatography group where responsibilities include but not limited to training of chemists, peer review of analytical data, mentoring of junior analysts, standard operating procedure review and streamlining of methods. Duties also require performance reviews and development of his direct reports.

**Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Scientist V**, *Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California*, 1995-2000. Responsibilities include analyzing indoor and ambient air, source emission, and industrial hygiene samples by GC and GC/MS methods.

**Scientist IV**, *Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California*, 1994-1995. Responsibilities listed above.

**Analytical Chemist**, *Coast to Coast Analytical Services, Camarillo, California*, 1992-1994. Responsibilities included analyzing samples using EPA methods 625, 525 and 1625 as well as developing new methods for GC/MS testing.

**Analytical Chemist**, *Coast to Coast Analytical Services, Goleta, California*, 1991-1992. Responsibilities included analyzing samples using EPA methods 624 and 524.2 by GC/MS. Used GC/MS methods to perform fuel fingerprinting.

**Analytical Chemist**, *Combustion Engineering Environmental, Inc., Camarillo, California*, 1986-1991. Responsibilities included method development for GC and HPLC. Analysis of samples using EPA methods 608, 615, 631, 632 and SW846. Other methods used include 8080, 8010, 8020, 8150 and 8030. Oversaw data integrity for the GC Laboratory instrument data network. Data review.

**Chemist**, *Fortin Industries, Sylmar, California*, 1986. Research and Development and Quality Assurance/Quality Control on polymer products and metal coatings using differential scanning calorimeters, scanning electron microscope, AA, GC, and HPLC.

## **Education**

**BS, Chemistry**, *University of California at Santa Barbara, Goleta, California*, 1985.

**COURSEWORK, Chemistry and General Education**, *Ventura College, Ventura, California*, 1982-1983.

**COURSEWORK, Chemistry and General Education**, *Moorpark College, Moorpark, California*, 1981-1983.

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**KELLY M. HORIUCHI**

**2003 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**PROJECT MANAGER** – 2005 to Present

## **Responsibilities**

Responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling, tracking and consulting to determine appropriate sampling and analytical protocols. Coordinates with the laboratory and administration to ensure that analyses are properly executed and meets the client's needs.

## **Experience**

**Data Validation Coordinator, Columbia Analytical Services, Inc., Simi Valley, CA, 2003-2005.** Responsibilities included validation of analytical results produced by the laboratory. Verification of client analytical requests, sample information, and reporting formats. Interacts with project managers and Quality Assurance Program Manager to ensure that all reports fulfill client requirements as well as QA/QC needs. Compiled quality control summary, and calibration data upon client request for data packages. Assist the Quality Assurance Program Manager with standard operating procedures, control charting, and audit preparation.

**Database Analyst, Cure Autism Now (Autism Genetic Resource Exchange), Los Angeles, California, 2002-2003.** Performed analysis of test data through data audits and queries, maintained extensive database, and coordinated data audits between Northern and Southern California locations. Additional duties included assisting in the creation of new databases, as needed, creation of SOP for phenotypic and genotypic data collecting, and process improvements for subject flow through the research project.

**Scientist II, Data Validation Coordinator, Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Simi Valley, California, 2000-2002.** Responsibilities included validation of all analytical results produced by the laboratory. Verification of client analyses, sample information, and reporting format. Compiled quality control summary, and calibration data upon client request for data packages. Assisted the Quality Assurance Program Manager with standard operating procedures, control charting, and audit preparation.

**Administrative Assistant/Data Analyst, Specialty Laboratories, Santa Monica, California, 1999-2000.** Performed retrieval, quality control, and organization of data. Compiled data for reporting of HIV, lead, urinalysis, kidney stones, and communicable diseases. Also communicated with the state DOH and clients regarding reporting requirements and demographic information.

**Administrative Assistant, Horvitz & Levy LLP, Encino, California, 1991-1999.** Report new cases to attorneys, check clients through conflict database, QC party information, maintain attorney calendars, and perform orientations of new attorneys.

## **Education**

**BA, Biology, California State University at Northridge, Northridge, California, 1998.**

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**CHANEY HUMPHREY**

**2005 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**CHEMIST** – 2005 to Present

**Responsibilities**

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

**Experience**

**Analyst I, Columbia Analytical Service, Inc. Kelso, Washington, 2004-2005.** Performed a variety of analytical tests within the General Chemistry laboratory according to EPA Methodologies including Ion Chromatography, total sulfur, and solids. Saturday crew member responsible for performance of all short hold time methods including microbiology methodologies.

2002-2004. Temporary employee (summers) performing a variety of analytical tests including grain size, total organic carbon, total suspended solids, total dissolved solids, alkalinity, acidity, and chemical oxygen demand. Additionally, performed colorimetric methods including ortho-phosphorous, total-phosphorous, hexavalent chromium, and nitrite as nitrogen.

**Toxicology Risk Assessment Procedure (ToxRap) Assistant, Environmental Health Sciences Center, Oregon State University, 2001-2003.** Developed curriculum alignment for K-12 state benchmarks. Prepared workshop materials for K-12 grade teachers. Assisted in workshop presentations.

**Education**

**BS, Biology, Oregon State University, Corvallis, Oregon, 2004**

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**LONNIE KUKITA**

**2006 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**SAMPLE MANAGEMENT CUSTODIAN** – 2006 to Present

## **Responsibilities**

Primary responsibilities include logging in samples and requested analyses, coordination of local courier services, distribution of service request forms to each department, storage and disposal of samples, and shipment of samples to other laboratories. Responsible for evaluating sample receipt compliance against the appropriate method requirements and recording any deviations. Also, maintains calibration and log of thermometers, as well as recording temperatures of all refrigerators and freezers and coordination of local courier services.

## **Experience**

**Technician, Supervisor Sample Management Office**, *Columbia Analytical Services, Inc., Canoga Park, CA, 2001-2006*. Primary responsibilities include logging in samples and requested analyses, coordination of local courier services, distribution of service request forms to each department, storage and disposal of samples, and shipment of samples to other laboratories. Also responsible for supervision of department personnel, back up for Project Chemists, and development and maintenance of departmental SOPs.

**Vault Librarian/Driver**, *Digital Images/Liberty Livewire, Burbank, California, 2000-2001*. Responsibilities included storing and retrieving film and video from vault, data entry, and delivery and pick up from studios and film lab. Preparing large shipment of film to studios.

**Clerk/Driver**, *American Scientific, Los Angeles, California, 1999-2000*. Responsibilities included pick up and delivery of samples from field sites and offices and preparing samples for shipment. Maintaining daily temperature log books, transferring samples from analyst refrigerators to storage. Ordering supplies for laboratory, preparing bottle orders for client. Field sampling using bailers devices.

**Sample Control/Driver**, *Del Mar Analytical, Van Nuys, California, 1994-1999*. Responsibilities included data entry of samples, pick up and delivery, maintenance of lab temperature book and sample disposal. Assisting analysts with tests by weighing samples and performing minor analysis. Changing gas cylinders for Chemists. Washing laboratory glassware and bioassay tanks.

## **Education**

**AA, Electronic Drafting Design**, *Los Angeles Valley College, Los Angeles, California, 1976*.

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**REGAN LAU**

**2001 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**CHEMIST** – 2001 to Present

**Responsibilities**

Analysis of vapor phase and liquid samples for various volatile compounds, perform maintenance on instruments when required, real time data reduction, participate in peer review process, maintain working knowledge of all GC methods performed in laboratory, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

**Experience**

**QC Analyst, Cancer Vax, Santa Monica, California, 2001.** Responsibilities included screening of material and manufactured products using cGMP and SOPs.

**Research Associate I, Cedars-Sinai Medical Center, Los Angeles, California, 1997-2000.** Responsibilities included research on immunological function of mice with tumor.

**Lab Assistant I, University of California at Los Angeles, Los Angeles, California, 1997.** Responsibilities included constructed DNA vector for possible use in gene therapy for cancer.

**Education**

**BS, Microbiology, University of California at Los Angeles, Los Angeles, California, 1997.**

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**LILIANA MARGHITOIU**

**2005 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST** – 2005 to Present

## **Responsibilities**

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

### **Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Analytical Chemist**, *Capco Analytical Services, Ventura, California*, 2004-2005. Responsible for qualitative and quantitative analyses of wastewater, drinking water, soil, and gas samples. Additionally, responsibilities included analysis of vapor phase, liquid and soil samples for various volatile compounds through GC and GC/MS (for 8020, 8015 EPA methods, sulfur and natural gas analysis). Performed analytical tests for water and soil using IC-Dionex (anions and per chlorate) and method development and implementation for IC and GC methods. Wrote and updated SOP's and participated in internal and external audit, review and validation of QC forms and books. Conducted training of other employees and reported and validated results. Performed maintenance on instruments and ordered supplies.

**Loan and Insurance processor**, *Countrywide, Simi Valley, California*, 2003-2004. Data entry, loan and insurance review and update.

**Laboratory Assistant**, *Esoterix Endocrinology, Calabasas, California*, 2002-2003. Responsible for reagent and media preparation, calibration and general maintenance of laboratory instruments, and documentation.

**Chemistry and Physics Teacher**, *High School, Timisoara, Romania*, 1997-1999. Teach Chemistry and Physics. Prepared students for High School final exam and University admission.

## **Education**

**BS, Chemistry and Physics**, *West University, Timisoara, Romania*, 1997

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**KRISTIANA "KRISTY" MILLER**

2006 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST** – 2006 to Present

## **Responsibilities**

Responsibilities include the preparation and analyses of soil, groundwater, and waste water samples for volatile organic compounds, utilizing Tekmar 2016, OI Analytical DPM-16, and Archon autosamplers, Tekmar 2000, 3000, and 3100 and OI Analytical 4560 concentrators, HP5890 and 6890 GC systems with HP 5971, 5972, and 5973 MSDs. Other responsibilities include standard preparation, performing maintenance on instruments when required, real time data reduction, participation in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Chemist**, *Columbia Analytical Services, Inc., Canoga Park, CA*, 2004-2006. Analyze soil, groundwater, and waste water samples for volatile organic compounds. Utilize Tekmar 2016, OI Analytical DPM-16, and Archon autosamplers, Tekmar 2000, 3000, and 3100 and OI Analytical 4560 concentrators, HP5890 and 6890 GC systems with HP 5971, 5972, and 5973 MSDs. Perform routine maintenance on instrumentation. Prepare standards and samples for analysis. Report and review data.

**Analyst I**, *BC Laboratories, Bakersfield, CA*. 2004 Prep samples for analysis by GC/MS; run and analyze samples on GC/MS; process data using HP Chem Station; report data using Arev Lims system; change tanks, dump liquid waste, archive samples, and preserve encores.

**Scientist I**, *Columbia Analytical Services, Canoga Park, CA*, 2002-2004. Digest samples for analysis; set up TCLP and STLC extractions; help with mercury digestions and analysis; file ILSRs after digestion; help wet chem. When needed; and filter and preserve water samples when required.

**Analyst II**, *Columbia Analytical Services, Canoga Park, CA*, 2001-2002. Digest samples for flame, furnace, ICP and ICP analysis.

## **Education**

**BS, Biochemistry**, *California State University, Northridge, CA*, 2004.

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TAKASHI MIYAKE

2007 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

## Current Position

CHEMIST – 2007 to Present

## Responsibilities

Responsibilities include analyzing ambient air, source emissions, and industrial hygiene samples using GC, GC/MS and HPLC. Preparation and analysis of air samples taken on various sorbent tubes for semi-volatile organic compounds. Determination of Carbonyls, Phenols and Cresols in ambient air and source emission samples using HPLC. Other responsibilities include standard preparation, performing maintenance on instruments when required, real time data reduction, participation in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

## Experience

**Director of the Science Department and Science Teacher, Los Angeles International School, Torrance, California.** 2003-2006. Responsible for making curriculum, planning the school events, teaching chemistry & biology (K-12) and supervising science teachers.

**Researcher and Instructor, Osaka Institute of Technology, Osaka, Japan** 2002-2003. Responsible for investigating antioxidative activities of charcoal made from woods in Wakayama Prefecture, Japan. Additionally, responsibilities included lecturing undergraduate Organic Chemistry and Organic Synthesis classes.

**Manager of Research & Development Department and Quality Assurance Department, YH Products Corporation, Oxnard, California,** 1998-2001. Responsible for development of analytical methods and product specifications, customer satisfaction detail reports and supervision of lab technicians.

**Post Doctoral Researcher, University of California at Davis, Davis, California** 1996-1998. Research included the investigation of toxic volatile carbonyl compounds in cigarette smoke, MTBE in gasoline, foods, beverages, oxidization of lipids in whole blood from human & various animals using Gas Chromatography. Also investigated the potential inhibition of the development of Atherosclerosis by a flavonoid isolated from young barley leaves *in-vitro*. Additionally responsible for the supervision of undergraduate and graduate students.

## Education

**Ph.D. Agricultural & Environmental Chemistry, University of California at Davis, Davis, California,** 1996

**MS, Applied Chemistry, Osaka Institute of Technology, Osaka, Japan,** 1991

**BS, Applied Chemistry, Osaka Institute of Technology, Osaka, Japan,** 1988



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**K. LYNNE NELSON**

**2000 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**QUALITY ASSURANCE PROGRAM MANAGER** – 2000 to Present

## **Responsibilities**

Responsibilities include facilitate ethics and QA training, maintain all training documentation, perform QA orientation for new employees, review data (both hardcopy and electronic), perform internal QA audits and prepare written reports, review, approve, and control Standard Operating Procedures, maintain QA Manual, maintain QA records (including archived logbooks, archived certificates of analysis, nonconformity and corrective action reports, MDL studies results, SOP revision and distribution, statistical control limits, PE sample results), serve as document control officer, and PC for all PE sample analyses, prepare corrective action report for any unacceptable PE sample results, maintain laboratory's certifications and approvals, facilitator for external QA audits and prepare written response to deficiencies, prepare activity report to management.

## **Experience**

**Manager, Laboratory Quality Systems, WorldwideTesting.com, Atlanta, Georgia, 1999-2000.** Responsibilities included determining laboratory qualifications, conducting laboratory audits and issuing reports, writing Standard Operating Procedures, building databases for online ordering system, interfaced with laboratories and clients to determine specific requirements.

**Technical Account Representative, SGS US Testing Company, Los Angeles, California, 1995-1999.** Responsibilities included internal auditing, coordinating test programs, and developing test programs for clients based on requirements, attended trade shows and technical meetings, initiated new sales through written and verbal communications.

**Analytical Chemist, BOC Gases, Research Triangle Park, North Carolina, 1993-1995.** Responsibilities included analyzing gases for impurities; headed corrective action teams dedicated to various aspects of the quality system, supervised and trained new employees, responsible for implementing and maintaining control charts.

**Environmental Chemist, Oak Ridge Research Institute, Oak Ridge, Tennessee, 1991-1993.** Responsibilities included organic extractions, analysis of waste for PCBs and radionuclides, worked independently on second shift performing routine and rush analyses.

## **Education**

**BS, Professional Biology, University of North Alabama, Florence, Alabama, 1991.**

**BS, Chemistry, University of North Alabama, Florence, Alabama, 1991.**

## **Publications/ Presentations**

*The Value of Independent Laboratories, PCI Magazine, September 1997.*

## **Affiliations**

American Society for Quality (ASQ)

American Society for Testing and Materials (ASTM)

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**CHRISTOPHER J. PARNELL**

1991 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

<b>Current Position</b>	<b>CHEMIST, VOLATILE GAS CHROMATOGRAPHY / MASS SPECTROMETRY TEAM LEADER – 2000 to Present</b>
<b>Responsibilities</b>	Team leader for the Volatile Gas Chromatography Mass Spectrometry group responsibilities are but are not limited to training of chemists, peer review of analytical data, mentoring of junior analysts, standard operating procedure review and streamlining of methods. Duties also require performance reviews and development of his direct reports.  <b>Documentation of Demonstration of Capabilities is available for review.</b>
<b>Experience</b>	<b>Scientist VI, Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California, 1994-2002.</b> Responsibilities include analyzing indoor air, ambient air and source emission samples by GC/MS methods, standards preparation, perform maintenance on instruments when required, real time data reduction, participation in peer review process, and good practice of all QA/QC requirements. <b>Scientist VI, Performance Analytical, Inc, Canoga Park, California, 1991-1994.</b> Responsibilities listed above. <b>Air Toxics Laboratory Supervisor, ABB Environmental Inc., Camarillo, California, 1990-1991.</b> Responsibilities included scheduling client analyses and developing methods for non-routine analyses, and operating the Air Toxics laboratory. <b>Analytical Chemist, C-E Environmental Inc., EMSI, Camarillo, California, 1987-1990.</b> Responsibilities included overseeing the Pesticide/PCB analysis of samples under the EPA Contract Laboratory Program, and interfacing with the EPA and regional offices to respond to inquiries and performing GC analyses and extractions. <b>Chemist, Damon Reference Laboratory, Newbury Park, California, 1986-1987.</b> Responsibilities included performing Enzyme-linked immunosorbent assays, Western-Blot assays, and Protein Electrophoresis.
<b>Education</b>	<b>BS, Chemistry, University of California at Santa Barbara, Santa Barbara, California, 1986.</b>

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**KAREN H. RYAN**

**2006 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**PROJECT MANAGER / VOLATILE ORGANICS (SOIL/WATER) TEAM LEADER** – 2006 - Present

## **Responsibilities**

Responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling, tracking and consulting to determine appropriate sampling and analytical protocols. Coordinates with the laboratory and administration to ensure that analyses are properly executed and meets the clients' needs.

## **Experience**

**Chemist, Semi-Volatile Organics**, *Columbia Analytical Services, Inc., Canoga Park, CA*, 1999-2006. Responsible for analytical services to comply with State and Federal regulatory requirements. Performs and coordinates workload and train personnel as necessary. Participates in method development and certification, as well as method troubleshooting and instrument maintenance.

**Research and Development Laboratory Supervisor**, *Applied Silicone Corporation, Ventura, California*, 1997-1999. Supervised all work within the department, following ISO 9001 guidelines. Developed silicone chemical formulations. Maintained laboratory notebooks in accordance with GLP and GMP guidelines. Performed project coordination using LSR systems for molding device applications, handling client contacts/consultations, troubleshooting staff technical inquiries and design specifications. Organized and scheduled molding time to ensure prompt product delivery. Certified as an ISO 9000 Internal Auditor.

**GC Chemist and GC/MS Chemist**, *Fruit Growers Laboratory Inc., Santa Paula, California*, 1996-1997. Scheduled and performed sample analysis by established EPA methods using Gas Chromatography and Gas Chromatography/Mass Spectrometry. Performed TOC sample analysis. Managed instrumentation and department expenditures.

**GC Chemist**, *Pace Inc., Camarillo, California*, 1991-1995. Scheduled and performed sample analysis using various GC methods. Approved and monitored test results and turn-around times. Managed equipment and expenditures within the department. Revised and maintained all standard operating procedures and method detection limits.

**Extraction Chemist**, *Coast to Coast Analytical Services, Camarillo, California*, 1991. Scheduled and performed sample extraction using various EPA methods. Prepared working spike standards within the department. Calibrated equipment in the laboratory.

## **Education**

**BS, Chemistry**, *California Lutheran University, Thousand Oaks, California*, 1991.

**AA, Liberal Arts**, *Oxnard College, Oxnard, California*, 1987.

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**MICHELLE H. SAKAMOTO**

2000 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**DATA VALIDATION COORDINATOR** – 2005 to Present

## **Responsibilities**

Responsibilities included validation of analytical results produced by the laboratory. Verification of client analytical requests, sample information, and reporting formats. Interacts with project managers and Quality Assurance Program Manager to ensure that all reports fulfill client requirements as well as QA/QC needs. Compiled quality control summary, and calibration data upon client request for data packages.

## **Experience**

**Chemist**, *Columbia Analytical Services, Inc., Simi Valley, CA*, 2002-2005. Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Data Validation Coordinator**, *Columbia Analytical Services, Inc. DBA Performance Analytical, Inc. Los Angeles, California*, 2002. Responsibilities included validation of all analytical results produced by the laboratory. Verification of client analytical request, sample information, and reporting formats. Compiled quality control summary and calibration data upon client request for data packages.

**Analytical Chemist**, *Columbia Analytical Services, Inc. DBA Performance Analytical, Inc. Los Angeles, California*, 2000-2002. Responsibilities included analysis of vapor phase and liquid samples for various volatile compounds, perform maintenance on instruments when required, real time data reduction, participate in peer review process, maintain working knowledge of all GC methods performed in laboratory, and good practice of all QA/QC requirements

**Technical Support Specialist**, *Quidel Corporation, San Diego, California*, 2000. Provided technical support of diagnostic products to medical professionals, sales representative, and laypersons via the telephone. Additional duties included documentation of complaints and follow up with customers.

**Office Manager/Receptionist**, *Manex Visual Effects, Culver City, California*, 1999-2000. Responsible for operation of the switchboard, greeting clients, purchase order requests, and timecard data entry.

**Laboratory Technician**, *Prince William County Service Authority, Woodbridge, Virginia*, 1996-1999. Responsible for qualitative and quantitative analyses of wastewater and drinking water samples. Also responsible for reagent and media preparation, calibration and general maintenance of laboratory instruments, and documentation and data entry of results.

**Associate Process Group Chemist II**, *Quidel Corporation, San Diego, California*, 1994-1995. Separated, purified, and conjugated proteins; performed product release analysis; assay performance; and buffer and reagent formulation.

## **Education**

**BA, Biology**, *Point Loma Nazarene University, San Diego, California*, 1992

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**SHREEJANA "SHREE" SINGH**

2005 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

## **Current Position**

**SYSTEMS ANALYST** – 2005 to Present

## **Responsibilities**

Electronic data deliverable (EDD) generation, review and reporting in accordance with both in-house and client specifications. Validation of laboratory and client valid values for input into Corporate valid value list for reports and EDDs. Coordination of EDD generation setup and compliance utilizing the laboratory EDD generation software with Corporate IT. Assisting with Laboratory Information Management Systems (LIMS) setup for EDD production and reporting.

## **Experience**

**Manager/Account Executive**, *Imax Bancard Network, LLC, Valencia, California, 2004-2005*. Responsibilities included testing of Max software system, created organizational and work flowchart in Visio, tested online application, assist assigned agents with all their inquiries, assist merchants, underwrite new accounts, run and analyze credit reports, board accounts to First Data, send profile request for Nashville and Cardnet, board accounts on Vital, prepare stage only file sheet for deployment, help merchants obtain Amex and Discover processing, review TMF report, MES maintenance- DDA Change, DBA Change, prepare merchant kits for new merchants, Telemarketing lead data management in Excel, etc.

**Report Production**, *Columbia Analytical Services, Inc. Simi Valley, California. 2004-Temporary Assignment*. Responsibilities included data entry into Excel, created charts and prepared reports.

**System Administrator**, *Countrywide, Calabasas, California, 2004*. Responsibilities included download SQL reports in AS400-General Ledger System, Audited Active/Inactive Cost Centers and prepared reports, Granted Hyperion Access to employees, Created Monthly Maintenance Calendar, Downloaded and refreshed Treasury Bank accounts, Assisted Department Manager with Special Projects, Prepared/Maintained Excel Database of Cost Centers Created Organizational Chart for Corporate Accounting.

**Purchaser**, *Countrywide, West Hills, California, 2004*. Responsibilities included, reviewed and entered Closed Loan Packages to the System, suspended Account for incomplete packages.

**Internet Specialist**, *Cardservice International, Agoura Hills, California, 1994-1999*, responsibilities included Educated Sales Agents and merchants regarding e-commerce solutions, coordinated gateway integration of major clients with Technical Support and Programming, provided weekly reports to the Senior Management regarding Payment Gateway, coordinated multiple departments on resolution of technical and logistical issues, met with various vendors, prepared monthly sales and profitability reports, downloaded all new accounts and prepared spreadsheet for VP-Internet Commerce Group, prepared commission statement for agents, sales and accounting department, assisted merchants with new applications and procedures, reviewed new/existing merchant accounts for profitability and adjusted rates and fees, prepared daily company sales and revenue reports, reviewed and recommended existing and new department procedures for better efficiency, trained new employees, ran SQL report for various departments through NOAH system, prepared commission statement for agents and sales department, maintained and managed high volume accounts, audited new merchant accounts for accuracy on rates, fees, and setup, audited and prepared report listing all merchants using the 1-800# according to the agent, prepared and provided daily department reports, assisted Department Manager with special projects, provided administrative support to the department staff, handled all incoming merchant inquiries from merchants, reprogrammed existing point of sale terminals to dial out local access numbers.

## **Education**

**BS, Information Systems, Option: Business**, *California State University, Northridge, CA, 2003*.

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**SADIA TERRANOVA**

**2007 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**CHEMIST** – 2007 to Present

## **Responsibilities**

Analyzing indoor air, ambient air and source emission samples by GC/MS methods, standard preparation, perform maintenance on instruments when required, real time data reduction, participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

## **Experience**

**Environmental Research Analyst, SGS UK, Liverpool, England, 2006-2006.** Performed a variety of analytical tests using EPA protocols using GC/MS/MS, Provided new method research and development, method validation, record keeping and maintained the laboratory inventory.

**Material Analyst / Supervisor, ColorMatrix, Liverpool, England, 2005-2006.** Performed moisture analysis and other analyses using Minolta, Viscometer and Paar. Performed site sampling and record keeping, method validation and research & development.

**QC Chemical Analyst, Ineos Silicas, Warrington, England, 2004-2005.** Performed moisture analysis and other analyses using Minolta, Viscometer and Paar. Performed site sampling and record keeping, method validation and research & development.

**Material & QC Analyst & Project Development, LG Phillips - Displays, Southport, England, 2002-2003.** Performed analyses of metal oxides using XRF, TGA, tensile tester, electrical & magnetic instruments, project planning and coordinating, method validation, and thermal analyses.

**QA Analyst / Technician, Astra Zeneca, Macclesfield, England, 2002-2002.** Quality control of drugs under GMP and GLP practices.

**Material Experimental Analyst / Process Technician, Nortel Networks, Paignton, England, 2000-2002.** Quality control of Opto-electronic resins using GC/MS, DSC, FTIR, viscometer, and titration. Testing of in-house resins, surface analysis including SEM, EDX, and contact angles. Failure analyses using metallurgy techniques and optical microscopy, x-ray analysis, sectioning and tensile testing. Analysis of new products for on line process improvement, ensured continued operation of production equipment, environmental sampling and compliance with health and safety regulations.

**Laboratory Technician, James Watt College, Greenock, England, 1998-2000.** Independent analysis of various experiments to validate and improve on practical methods, assisted student in the use of HPLC, demonstrated and supervised the use of various analytical equipment and maintained comprehensive records of experimental work, tested and calibrated equipment and performed any necessary maintenance.

## **Education**

**Bsc(Hons), Chemistry, Manchester Metropolitan University, Manchester, England, 2004**

**Departmental Diploma, Pure and Applied Chemistry, Strathclyde University, Glasgow, Scotland, 1993.**

**HnD, Chemistry, Information Technology, Instrumentation, Caldonian University, Glasgow, Scotland, 1992.**

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**MICHAEL TUDAY**

1988 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

## Current Position

**DIRECTOR OF RESEARCH AND DEVELOPMENT /PROJECT MANAGER – 2002 to Present**

## Responsibilities

Responsibilities include identifying new markets, determining laboratory feasibility, providing guidance in business development, marketing, and overseeing method development. Review of contract proposals, pricing and intuitive review of analytical data prior to it being released to the client. Also involved in writing and implementing training sessions and acts as a project manager when necessary. Project Manager responsibilities include interfacing with clients to provide technical project management and customer service, including project scheduling, tracking and consulting to determine appropriate sampling and analytical protocols. Coordinates with the laboratory and administration to ensure that analyses are properly executed and meets the clients' needs.

## Experience

**Laboratory Director, Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California, 1994-2002.** Responsibilities include managing technical operations, employee development and business operations (financial and marketing). Overseeing the Quality Assurance activities and reviewing analytical data for final report approval. Advising clients of appropriate sampling and analytical protocols related to air testing data interpretation. Participating in the development and validation of new sampling and analysis protocols. Serving as an expert witness in legal cases requiring testimony. Lecturing for educational courses and association meetings.

**Laboratory Director/Owner, Performance Analytical, Inc, Canoga Park, California, 1988-1994.** Duties primarily as listed above.

**Laboratory Technical Manager, C-E Environmental Inc., EMSI, Camarillo, California, 1984-1988.** Responsibilities included Program management of EPA Contract Laboratory Program and Special Analytical Services Contracts. Project Management for several large multidisciplinary projects, including the Love Canal Habitability Study. Initiated the development of the Air Toxics Analysis Laboratory. Served as Technical Marketing Coordinator for Laboratory Services (cost proposals and technical plans). Previously responsible for the supervision of the Gas Chromatography/Mass Spectrometry Laboratory.

**GC/MS Laboratory Supervisor, International Technology Corporation, Cerritos, California, 1981-1984.** Responsibilities included: Supervision of ten chemists in a large commercial laboratory. Projects included EPA Contract Laboratory Program analyses, EPA EMSL-Cinn drinking water method development and analysis contracts, Battelle and Radian interlaboratory method validation studies, hazardous waste characterization, analytical support for Remedial Investigations/Feasibility Studies, groundwater and wastewater effluent monitoring, commercial product deformation and industrial hygiene analysis.

**Chemist, Chromatography Laboratory, O'Brien & Gere Engineers, Inc., Syracuse, New York, 1980-1981.** Responsibilities included: Performance of trace organics analysis of environmental samples for pesticides/PCBs, chlorophenoxyacid herbicides, and volatile organic compounds by gas chromatography.

## Education

**BS, Chemistry, State University of New York, Oswego, New York, 1980.**

**SHORT COURSES IN: Chemical Ionization GC/MS, INCOS Operation, and MS Interpretation, Finnigan Institute, Cincinnati, Ohio.**

## Affiliations

Air & Waste Management Association  
Southern California Environmental Chemists Society  
American Industrial Hygiene Association

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**INDIAN TYLER**

**2007 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

<b>Current Position</b>	<b>BUSINESS DEVELOPMENT</b> – 2007 to Present
<b>Responsibilities</b>	Helps lead the sales, marketing and new business development efforts for the Simi Valley, California location. Responsible for new client development, communication of client requirements and acting as a liaison between the client and the laboratory to ensure ongoing improvement of client service.
<b>Experience</b>	<b>Director of Marketing and Sales, Todd International Distribution, Laurel, MD, 2005-2006.</b> Managed and organized sales team and marketing representatives. Developed sale and marketing strategies to increase revenue and profit. Trained sales and marketing staff and implemented innovative sales protocols. Oversaw sales forecasting and created and maintained budgets for the organization. <b>Health and Science Teacher, The Catholic High School, Baltimore, MD, 2002-2003.</b> Conducted health and physical science classes at the high school level. Developed lesson plans and class curriculums for individual classes. Provided detailed instruction and assigned students with projects and coursework and promoted the acceleration of their learning aptitude.
<b>Education</b>	<b>BS, Biology, Morgan State University, Baltimore, MD, 2000.</b> <b>MS, Public Health, Morgan State University, Baltimore, MD, 2002.</b>



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ZHENG WANG

2004 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

<b>Current Position</b>	CHEMIST– 2004 to Present
<b>Responsibilities</b>	<p>Analysis of vapor phase and liquid samples for various volatile compounds, perform maintenance on instruments when required, real time data reduction, participate in peer review process, maintain working knowledge of all GC methods performed in laboratory, and good practice of all QA/QC requirements.</p> <p style="text-align: center;"><b>Documentation of Demonstration of Capabilities is available for review.</b></p>
<b>Experience</b>	<p><b>Chemist, Atmospheric Analysis and Consulting, Inc., Ventura, CA, 2003.</b> Responsible for the analytical method development and validation of testing raw materials, environmental pollutants and the documentation of quality control standards and analytical results. Overview all laboratory equipment. Perform and revise testing methodologies when necessary. Apply EPA, ASTM, SCAQMD, and SW 846 methods to analyze volatile organic compounds.</p> <p><b>Senior Research Associate, China National Petroleum Corporation, Renqiu, Hebei, China, 1988-2000.</b> Developed and validated analytical methods for the analysis of geological samples and conducted organic geochemistry evaluation using HPLC, GC/MS, UV, IR, fluorescent detection and column chromatography. Performed separation and quantitative analysis of crude oil and bitumen A, including saturate and aromatic compounds, non-hydrocarbon and asphaltenes by using HPLC and column chromatography. Evaluated and calculated organic matter abundance. Performed analysis of the saturate (C8-C35), headspace gas (c1-C5), and aromatic by using GC and GC/MS. Parameters of evaluating geochemistry were calculated from GC spectrum. Performed identification and analysis of biomarkers in saturate compounds by GC/MS. Parameters of gas and oil migration were calculated from mass spectrum. Documented and wrote analytical protocols and reports. Maintained the analytical instruments include GC, GC/MS, HPLC, UV, IR, etc. Managed the development and growth of technicians.</p>
<b>Education</b>	<p><b>MS, Organic Chemistry, New Mexico Highland University, Las Vegas, New Mexico, 2002.</b></p> <p><b>BS, Analytical Chemistry, Ningxia University, Yinchuan, Ningxia, China. 1988</b></p>
<b>Affiliations</b>	American Chemical Society; Chinese Petroleum Society

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**ROGER WONG**

**2006 TO PRESENT**



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

**Current Position**

**CHEMIST** – 2006 to Present

**Responsibilities**

Responsible for preparation and analysis of wet and general chemistry samples for turbidity, settleable solids, residue, ion selective electrode analyses (e.g., pH, nitrite, fluoride, and conductivity), hexavalent chromium, and other similar analyses. Additional responsibilities include standard preparation, instrument maintenance, and real time data reduction; participate in peer review process, and good practice of all QA/QC requirements.

**Documentation of Demonstration of Capabilities is available for review.**

**Experience**

**Chemist**, *Columbia Analytical Services, Inc.*, Canoga Park, CA 2003-2006 - Responsible for performing and reporting the assigned tasks by following standard operating procedures. Perform metal digestions for analyses by inductive coupled plasma (ICP), inductive coupled plasma – mass spectrometer (ICP-MS), and graphite furnace atomic absorption (GFAA). Prepared samples for TCLP and STLC extraction. In addition to metals prep, also perform general chemistry analyses, including flash point, chemical oxygen demand (COD), paint filter test, and other ion selective electrode analyses (e.g., pH, nitrite, fluoride, and conductivity).

**Education**

**BS, Biology**, *UCLA, Los Angeles, CA. December 2003.*

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**JOHN YOKOYAMA**

1997 TO PRESENT



*Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161*

## **Current Position**

**LABORATORY MANAGER** – 2002 to Present

## **Responsibilities**

Responsibilities include managing technical operations, employee development and business operations (financial and marketing). Additionally responsible for ensuring that quality control functions are carried out as planned and to guarantee the production of high quality data. The Laboratory Operations Manager is also required to coordinate laboratory work shifts, perform work reviews, schedule programs such as method detection limit studies and training, review corrective action reports, and coordinate sample analysis scheduling with respect to holding times and client requirements. Additionally works with the Project Managers on scheduling conflicting client projects and the Quality Assurance Program Manager on certain quality issues as they directly relate to the laboratory.

## **Experience**

**Scientist VI**, *Columbia Analytical Services, Inc., DBA Performance Analytical, Inc., Los Angeles, California*, 1997-2002. Responsibilities include, but is not limited to, sample analysis of various constituents using GC, GCMS, and HPLC methodologies. Sample and standard preparation for air and traditional analyses, method development, training of personnel, semi-volatile performance evaluation samples, instrument maintenance, regulating and maximizing sample flow through the semi-volatile area, ordering of a large majority of lab supplies, and when necessary acting as a Project Chemist/Client Services.

**GC/MS Supervisor**, *West Coast Analytical Service, Santa Fe Springs, California*, 1996-1997. Oversight of GC/MS workflow. Maintenance of GC/MS instruments and some method development. Duties also included review of analytes, reports, and analysis of semi-volatile GC/MS samples.

**Organics Manager**, *PACE Incorporated, Camarillo, California*, 1994-1996. Oversaw organics group's workload with each group's supervisor. Involved with budget decisions, including instrument purchase and personnel. Also reviewed reports and analyzed volatile GC/MS samples as necessary.

**GC/MS Supervisor**, *Thermal Analytical, Monrovia, California*, 1992-1994. In charge of GC/MS groups, responsibly which included review of reports, personnel, method development, routine instrument maintenance, and analysis of semi-volatile samples.

**GC/MS Chemist**, *IT Corporation, Cerritos, California*, 1986-1992. Analysis of volatile and semi-volatile samples of various matrices. Developed methods, reviewed some reports and performed routine maintenance on instruments.

## **Education**

**BS, Biological Sciences/Marine Toxicology**, *University of California at Los Angeles, Los Angeles, California*, 1982.

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## MANUAL "MANNY" ZAMORA

2005 TO PRESENT



Columbia Analytical Services, Inc., 2655 Park Center Drive, Suite A, Simi Valley, CA 93065 (805)-526-7161

### Current Position

**SAMPLE MANAGEMENT CUSTODIAN** – 2005 to Present

### Responsibilities

Primary responsibilities include logging in samples and requested analyses, coordination of local courier services, distribution of service request forms to each department, storage and disposal of samples, and shipment of samples to other laboratories. Responsible for evaluating sample receipt compliance against the appropriate method requirements and recording any deviations. Also, maintains calibration and log of thermometers, as well as recording temperatures of all refrigerators and freezers and coordination of local courier services.

### Experience

**Sample Management Technician** – *Columbia Analytical Services, Inc., Canoga Park, CA, 2002-2005.* Responsible for the receipt of groundwater and soil samples into the lab. Maintained proper documentation of sample receipt by following chain-of-custody (COC) procedures. Checked the number of samples received against the COC to account for all the samples. Logged samples into the laboratory; labeled samples; checked pH of preserved samples; and input tests required for each sample into the computerized Laboratory Information Management System (LIMS). Performed courier services (e.g., transported samples or bottle orders between clients and laboratory), field services (e.g., taking field samples for the clients), and bottle order preparation (e.g., adding preservation into bottles and containers for delivery to clients for sampling).

**Facilities Assistant – Mailroom**, *Xirom, Inc., a division of INTEL, Thousand Oaks, California, 1998-2002.* Responsible for pickup, sorting, and delivery of company mail from the Post Office; administration of computerized shipping system for corporate shipping; assist with daily maintenance of company buildings; stock/purchase office supplies and snacks/drinks for the Company snack machines.

**Stockroom Administrator**, *American Network Systems, Simi Valley, California, 1997-1998.* Responsible for operation of the warehouse, including receipt/inspection of incoming materials and shipment of product worldwide. Administrative duties included production of export documents required for international shipments; creation of work orders, transfers, new order entry, and monthly inventory report transactions.

**Material Handler II - Shipping**, *Xirom, Inc., a division of INTEL, Thousand Oaks, California, 1994-1997.* Responsible for daily inventory reports and daily RMA and Sales Order logs. Responsible for all internal material transfers, including freight calculation.

**Receiving Clerk**, *Hewlett Packard, Eesof Inc., Westlake Village, California, 1992-1994.* Responsible for receipt documentation, and distribution of all deliveries. Coordinated inspection of fabricated materials with Quality Assurance.

### Education

**COURSEWORK, Business Administration**, *Moorpark Community College, Moorpark, California, 1982-1985.*