



Air One Labs

(a dba of Mobile One Laboratories, Inc.)



Experience Summary

Air One Labs is a small, highly regarded environmental chemistry laboratory serving California and other western states. Air One is currently operating in Vista, CA and has created a fixed base laboratory facility dedicated to the analysis of low level volatile organic compounds in ambient and indoor air as well as low level soil gas investigations.

Air One was originally Mobile One Laboratories, Inc. and had been providing clients expert field sampling, on-site mobile lab and in-house analysis services in California for over eighteen years. Mobile One sold the field sampling and analysis services division in May of 2008.

As mentioned above, Mobile One started operations in 1990 to provide on-site support for leaking underground storage tank (LUST) cleanup operations. Since then, the company grew and added capabilities to include many types of field sampling and analysis services, as well as in-house analysis. In addition to having analyzed hundreds of thousands of samples over the course of its nineteen year history, the lab's staff pioneered some unique techniques used both in the field and in regional in-house laboratories. Mobile One was the first "mobile only" laboratory to be accredited by the state of California Environmental Lab Accreditation Program (CA-ELAP). We also built and operated the first mobile labs performing EPA Method 8260B in the field in the State of California. Five years ago, we developed the first mobile labs to perform EPA Method TO-15 in the field as well.

With the sale of the "mobile" division, Air One Labs was born. We have acquired a set of state of the art analytical equipment to continue to serve clients needing low level air analysis. We invite all inquiries and are pleased to discuss all aspects of our services.

Staff



Dr. James Picker

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| <p>Education Ph.D., Chemistry – University of Colorado, Boulder, CO - 1981</p> | <p>Experience</p> |
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BS, Chemistry – Fordham University
Bronx, N.Y. - 1972

Recent Publications/Talks

“LIMS on the Road II”, website, H&P
Mobile Geochemistry, September
29,2005

“A Comparison of EPA Methods
8260B and TO-14A/15 for the
analysis of VOCs in Soil Gas:
Application to Upward Vapor
Intrusion Risk Studies”, presented at
the Air and Waste Management
Association meeting 4/19/05, San
Francisco, CA

“LIMS on the Road”, H&P Mobile
Geochemistry website, June 2,
2003

“Methanol/Ethanol Analysis, the
Ultimate Gourmet Martini” Eleventh
International Onsite Conference
Scottsdale AZ, January 21-24, 2003

“Wireless LIMS with a Twist”,
website, Promium Co. (previously
know as CequeLogic)

“On site, real time, EPA Method 8270
and more” Tenth International Onsite
Conference Las Vegas NV, January
2002

“Rapid On site Analysis of PNAs,
PCBs and more by EPA Method 8270
Ninth International Onsite
Conference, Amelia Island FL January
2001

“Chemical Analysis Takes to the
Road” Peak Magazine, Agilent
Technologies website July 2000

2008-present Air One Labs, Vista CA . Dr. Picker is the founder and co-owner of Air One. He serves as technical director and senior analyst in Air One’s new laboratory. The laboratory is specifically designed to analyze low level and rapid turnaround volatile organics in ambient and indoor air and low level soil gas.

**1998-2008 Managing partner/technical director of H&P Mobile Geochemistry
1990-2008 / Co-founder and Vice President of MOL, an environmental laboratory specializing in chemical analysis in the field. Dr. Picker started MOL in 1990 and served as Technical Director for over eighteen years. In that time, H&P and MOL have performed work at thousands of hazardous waste sites in California, Nevada, Arizona, Utah, Wyoming, several eastern states and the Pacific and expanded to include ten mobile laboratories and three fixed base facilities. Dr. Picker personally designed, assisted in the manufacture, set up instrumentation, operated and staffed eight mobile laboratories and four fixed base labs over the past eighteen years. The laboratories are all currently accredited by the State of California Environmental Lab Accreditation Program (ELAP) as environmental laboratories and NELAP, the National Environmental Laboratory Accreditation Program. Dr. Picker sold his interest in H&P in mid 2008.**

1989-1990 Pacific Analytical, Carlsbad, CA, Dr. Picker was one of four partners who founded this environmental lab. Dr. Picker joined the lab as an employee in 1989 as marketing and project manager.

1986-1989 Hewlett-Packard Co., San Diego, Dr. Picker was as sales engineer for the Hewlett Packard Co. selling and supporting their line of gas chromatographs, liquid chromatographs and mass spectrometers.

1981-1986 S-Cubed, La Jolla CA, Dr. Picker was Head of the Chromatography and Wet Chemistry Section. At S-Cubed, Dr. Picker developed a field portable gas chromatograph for the determination of PCB's in dielectric fluid using automated GC pattern recognition. He also proposed and managed a project for the Air Force to design an automated gas chromatograph/data system for the determination of trichloroethylene in water. This system, which was finished after he left S-Cubed was installed at Wurtsmith Air Force base in Michigan. The Air Force later purchased additional systems for other bases. At S-Cubed, Dr. Picker proposed a method of extracting contaminant metals from a waste stream. This system was the subject of a grant award from the U.S. EPA and was awarded a U.S. patent. At S-Cubed, Dr. Picker was in charge of gas chromatography at S-Cubed's specially designed Chemical Surety Materials (CSM) facility handling chemical agents in support of chemical munitions destruction. He designed and built an instrument to monitor the “hot room” for air borne agents.

1976-1980 U.S Geological Survey, Arvada CO, Dr. Picker conducted research in the water quality laboratory towards his doctoral degree. Research was aimed at novel methods of GC analysis.

1973-1975 Analytical Development Corporation, Monument CO, Pesticide residue and metabolism research.



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Ms. Rebecca Johnson

Education

BS, -Univ. of CA Santa Barbara - 1981

Experience

2008 Air One Labs, Vista CA . Ms. Johnson is a founder and co-owner of Air One Labs. She is the Quality Assurance Officer (QAO) for Air One and currently serves the functions of, senior GC and GC/MS analyst and report reviewer. In addition she handles all administrative functions for the company. She is the company's Chief Financial Officer and marketing representative. She is the project manager on several projects.

1998-2008 Chief Financial Officer/ Chief Administrative Officer and partner of H&P Mobile Geochemistry/ Co-founder and President of MOL. As founder and co-owner of Mobile One Laboratories and H&P Mobile Geochemistry, Ms. Johnson was responsible for all administrative functions and operations of both MOL and H&P.

1990-1998 Chief Financial Officer/ Chief Administrative Officer and partner of Mobile One Laboratories, Co-founder and President of MOL, an environmental laboratory specializing in chemical analysis in the field. As founder and co-owner of Mobile One Laboratories, Ms. Johnson was responsible for all administrative functions and operations of MOL. She began at MOL as a mobile laboratory operator performing CA LUFT hydrocarbon analysis on site at fuel impacted sites. After approximately three years of performing EPA Methods 8015 and 8020, she began the in-house operations of MOL which included the set up and operations of GC/MS for EPA Method 8260. She was also responsible for all report preparation and review. While at MOL, Ms Johnson implemented the installation of the company wide laboratory Information Management System (LIMS) and electronic data deliverables.

1986-1990 Pacific Analytical, Carlsbad, CA, Ms. Johnson was a bench chemist and later GC and GC/MS operator in the organics laboratory. Ms. Johnson eventually was placed in charge of the Pacific Analytical's EPA Contract Laboratory Program (CLP).

1982-1986 S-Cubed, La Jolla CA, the Chromatography and Wet Chemistry Section. At S-Cubed, Ms. Worked as a bench chemist in the pesticide laboratory performing assays of pesticides in soil and water. She quickly moved into the role of GC operator in the pesticides laboratory. While at S-cubed Ms. Johnson became proficient in pattern recognition techniques and assisted in the production of automated gas chromatographs.



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Project Experience

| Project | Experience |
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| ENVIRON Wylie Labs, Norco, CA 2005-2007 | Analysis of ambient air, indoor air and soil gas samples by EPA Method TO-15 in 4 residences in Norco to determine extent of possible contamination from an underground trichloroethylene (TCE) plume. Dr Picker was responsible for the lab and chemistry staff and personally conducted some of the indoor air testing at the homes. This included on-site and off-site 24 hour monitoring of some of the houses for TCE contamination. |
| ENVIRON Norco High School, Norco 2005-2007 | In conjunction with the above project, Dr. Picker conducted indoor air sampling and analysis at Norco High School to determine levels of vinyl chloride in the Science building. |
| LAUSD/Geosyntec Consultants 28 th Street School, Los Angeles, CA 2006 | Dr. Picker analyzed split samples of indoor and ambient air from classrooms and crawl spaces in several buildings by EPA TO-15 on-site in the mobile lab. The results were compared with samples sent to a secondary lab. Results agreed extremely well. |
| Various Projects 2005-2008 | Dr. Picker was in charge of all analytical chemistry for H&P Mobile Geochemistry from 1998 until the sale in 2008. In addition to the setup and checkout of the instrumentation, Dr. Picker wrote all Standard Operating Procedures, assigned and trained staff, and in general had oversight of all indoor air/ambient air projects. |



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Facilities and Equipment

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| Facilities | 1315 Hotspring Way #104 Vista, CA 2400 sq. ft. industrial suite, lab, offices, reception, sample receipt, container handling and shipping. |
| Analytical Equipment | GC/MS: Agilent Technologies 6850/5975C Concentrator: Entech Instruments 7100AR Autosampler: Entech Instruments 7500 Robotic AS Can Cleaner: Entech Instruments 3100A Standards Diluter: Entech Instruments 4600A GC: Agilent Technologies 6890A dual FID with dual 7673 ALS Laboratory Information Management Software (LIMS): Promium "ELEMENT"® |